

RECEIVED

JOHN P. LOCKRIDGE OPERATOR, INC.

AUG 8 1984

DIVISION OF OIL  
GAS & MINING

August 7, 1984

Bureau of Land Management  
170 S. 500 E.  
Vernal, Utah 84078

Re: Application for Permit to Drill  
John P. Lockridge Operator, Inc.  
32-33 Horseshoe Bend  
SW NE Section 33-T6S-R22E  
Uintah County, Utah

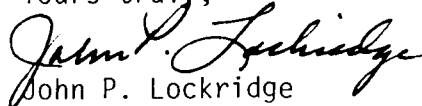
Gentlemen:

Three copies of an Application for Permit to Drill the captioned well are enclosed. The application includes a Ten Point Drilling Program, Multipoint Surface and Operation Plan, and a Cultural Resources Survey Report.

An on-site inspection was conducted with your representative, Greg Darlington, on July 24, 1984. As discussed with Greg, the drilling rig we have decided to utilize requires a less extensive pad area than laid out by our surveyor. Consequently, data on cut, fill, and areal extent of the pad as portrayed should be considered as maximums. A sketch of our location plan for the smaller pad is taped to the surveyor's plat.

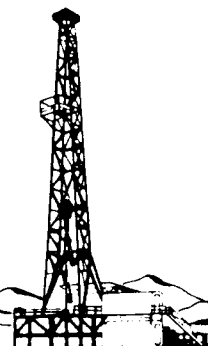
Your consideration of and response to this application will be appreciated. Please contact us by phone at 303+628-9371 if we need to provide additional information.

Yours truly,

  
John P. Lockridge

JPL/sl

cc: Norman Stout  
Utah Department of Natural Resources  
Prima Energy Corporation  
Calais Resources, Inc.  
William M. Berryman  
Snyder Oil Co.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.					
3. ADDRESS OF OPERATOR 1444 Wazee Street, Suite 218, Denver, Colorado 80202					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface SW NE (2000' FNL & 1444' FEL) Section 33-T6S-R22E At proposed prod. zone					
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 16 miles southeast of Vernal, Utah					
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)		16. NO. OF ACRES IN LEASE		17. NO. OF ACRES ASSIGNED TO THIS WELL	
1444'		1840		320	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH		20. ROTARY OR CABLE TOOLS	
3000'		3600'		Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5096' Gr., 5101' KB					
22. APPROX. DATE WORK WILL START* September 10, 1984					
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
12 1/4"	8 5/8"	24.0	200'	Circulate to surface sufficient to seal all productive zones	
6 3/4"	4 1/2"	9.5	3600'		

See attached:

- 1) Ten Point Drilling Program
- 2) Multipoint Surface Use and Operation Plan
- 3) Cultural Resource Survey Report

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 8/13/84  
BY: John R. Bay

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GAS & MINING

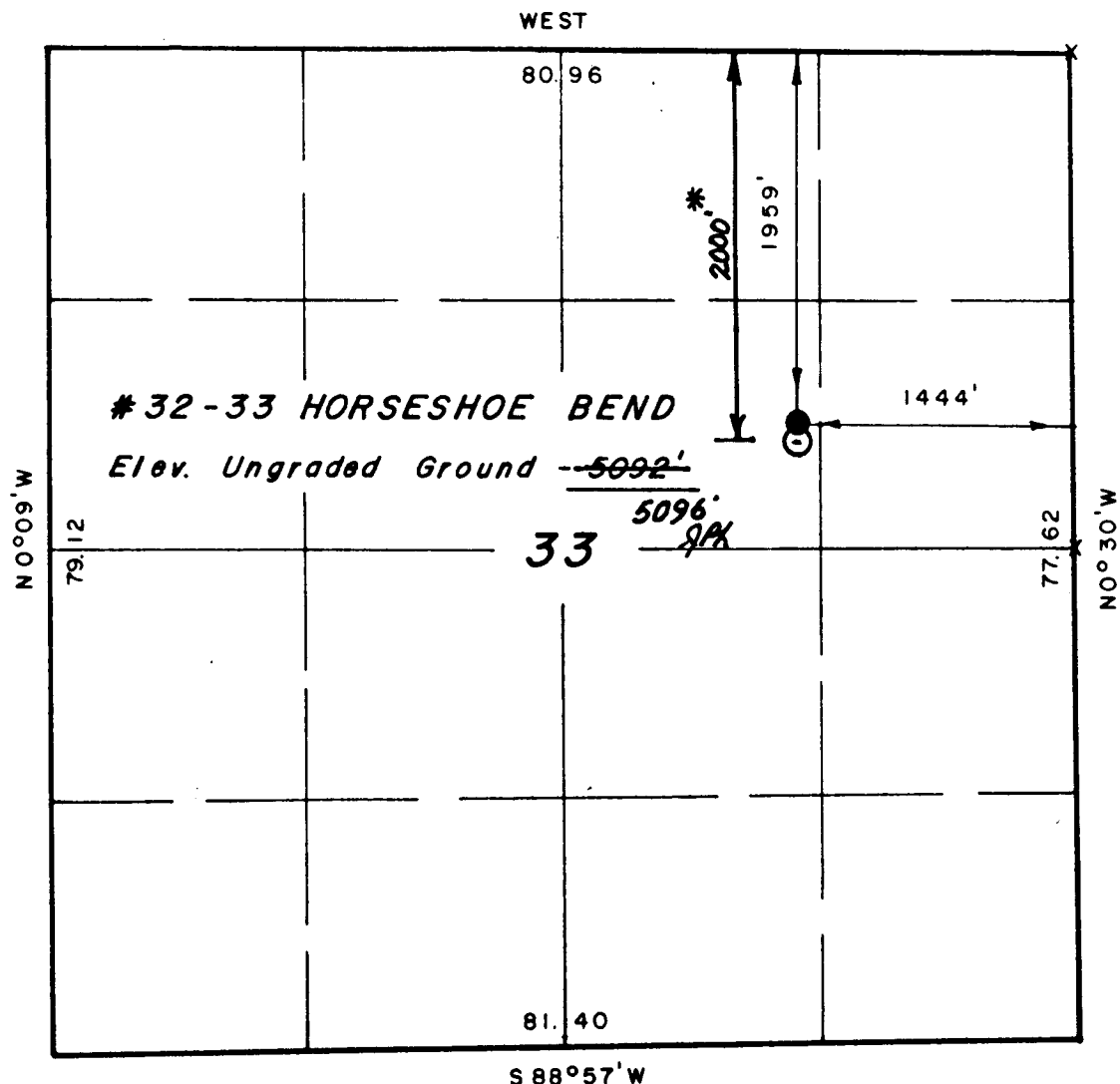
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED John P. Lockridge TITLE President DATE August 6, 1984  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

T 6 S, R 22 E, S.L.B. & M.



PROJECT

JOHN P. LOCKRIDGE

Well location, #32-33 HORSESHOE BEND, located as shown in the SW 1/4 NE 1/4 Section 33, T 6 S, R 22 E, S.L.B. & M. Uintah County, Utah.

\* LOCATION MOVED 51' SOUTH AT "ON-SITE" BY BLM REPRESENTATIVE & LOCKRIDGE

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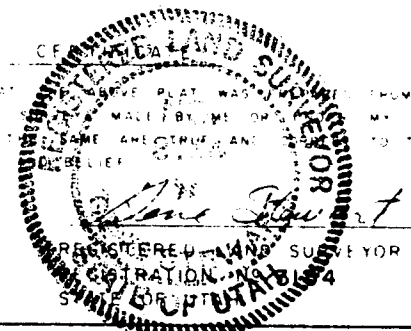
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*John P. Lockridge*



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS MADE BY ME OR UNDER MY SUPERVISION AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Revised - 7/31/84

UINTAH ENGINEERING & LAND SURVEYING  
P O BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 7/18/84
PARTY EY GS SB	REFERENCES GLO Plot
WEATHER Worm	FILE JOHN P. LOCKRIDGE

TEN POINT PROGRAM

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1) GEOLOGIC SURFACE FORMATION

AUG 8 1984

The surface formation is Uinta.

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2 & 3) GEOLOGIC MARKERS AND PRODUCTIVE INTERVALS

<u>Formation</u>	<u>Estimated Top</u>	<u>Possible Production</u>
Uinta "B" Marker	3050	H
Uinta Green River Transition	3400	H
Green River	3550	H
T. D.	3600	

W = Water      H = Hydrocarbon (oil or gas)      C = Coal      S = Steam

4) CASING PROGRAM

<u>Hole Size</u>	<u>Casing Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Thrd &amp; Cond</u>	<u>Depth</u>
12 1/4	8 5/8"	H-40	24.0	STC	200'
6 3/4	4 1/2"	J-55	9.5	STC	TD

5) CONTROL EQUIPMENT SPECIFICATIONS

The following equipment will be utilized for detection and control during the drilling operation.

BLOW OUT PREVENTORS

Size 7 1/16"      Pressure Rating 3000 psi

Pipe Rams yes      Blind Rams yes

Annular Preventor yes

Kill Line Size 2" x 3000 psi      Valves 2" x 3000 psi

Check Valve 2" x 3000 psi

Manifold

Size 3"      Valves 3" x 3000      Pressure 3000 psi

Positive choke yes      Adjustable Choke yes

See Exhibit I attached for additional detail. BOP Equipment will be installed prior to drilling below 8 5/8" casing and BOP will be tested to 1500 psi using rig pump. Surface casing will be tested to 70% of internal yield.

6) DRILLING FLUIDS

<u>Interval</u>	<u>Type Fluid</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Remarks</u>
0-200'	Polymer	8.6 - 8.7	45	10 cc	
200-TD	Polymer (Gendril and Staflo)	8.6 - 8.7	45	10 cc	

Possible Sub Normal Pressured Zones Green River

Possible Abnormal Pressured Zones None

7) AUXILIARY EQUIPMENT

Upper Kelly Cock no

Lower Kelly Cock no

Floor Valve DP yes

Floor Valve DC yes

Float in DC yes

Inside BOP (Dart Valve) no

ADDITIONAL DETECTION EQUIPMENT & SERVICE

Mud Logging Unit yes

Pit Volume Totalizer no

Flow Line Sensor no

Flow Line Temperature no

Sour Gas Detector no

Pump Stroke Counter no

John P. Lockridge Operator, Inc.  
32-33 Horseshoe Bend Federal  
SW NE Section 33-T6S-R22E  
Uintah Co., Utah U-44210

Degasser \_\_\_\_\_ no \_\_\_\_\_  
Mud Gas Separator \_\_\_\_\_ no \_\_\_\_\_  
Drilling Data Unit \_\_\_\_\_ no \_\_\_\_\_  
Other The mud system will be visually monitored

8) EVALUATION

A) Testing

All significant hydrocarbon shows will be drill stem tested. There will probably be 2 to 4 DST's.

B) Logging

<u>Depth</u>	<u>Electric Wireline Logs</u>	<u>Interval</u>
Total Depth	DIL/GR, FDC/CNL	200'-TD

C) Coring

<u>Formation</u>	<u>Type Core</u>	<u>Analysis</u>
none		

9) DRILLING HAZARDS

No extraordinary hazards are anticipated.

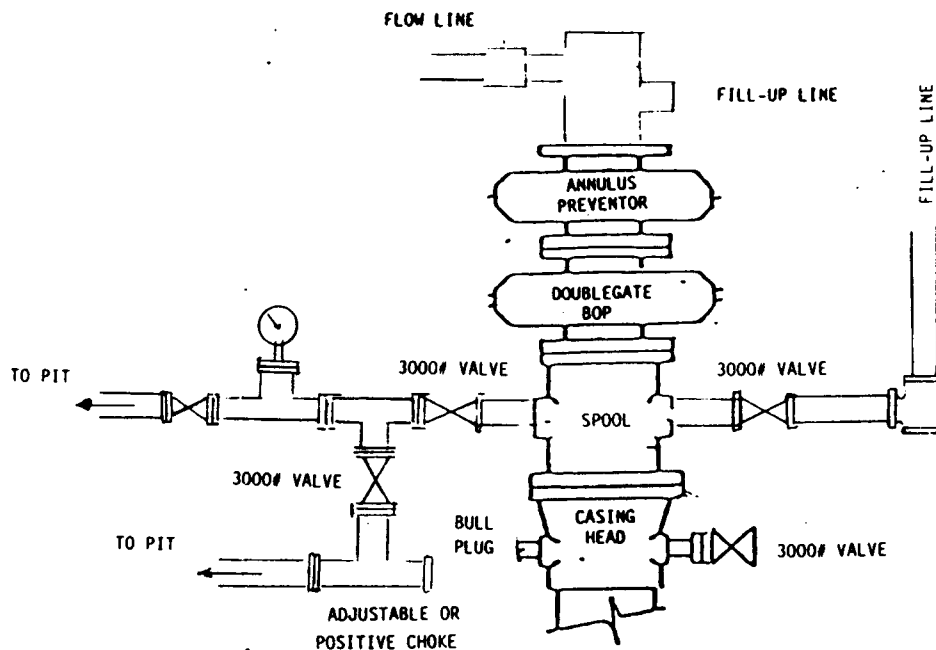
10) STARTING DATE 9/1/84 DURATION 8 DAYS.

DRILLING PROGRAM PREPARED BY: JOHN P. LOCKRIDGE

  
John P. Lockridge

EXHIBIT 1

Sketch of Blowout Preventor  
3000 psi System



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Note: Pipe rams to be operated daily. Blind rams to be operated each trip.

Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test as following to rated pressure:
  - a) inside blowout preventer
  - b) annulus preventer
  - c) double gate
  - d) stand pipe valve
  - e) lines to mud pump
  - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

THIRTEEN POINT SURFACE USE PLAN

1) EXISTING ROADS

See attached topographic maps A & B. Directions: take Highway 40 south from Vernal, approximately one mile to point where Highway 40 veers east. Take "New Bonanza" highway south approximately 16 miles to access road on south, or right side of highway. The location is approximately 0.3 miles SW of the highway and a new access road will be constructed for this distance.

2) PLANNED ACCESS ROAD

See attached topographic map A. It will be necessary to construct approximately 0.3 miles of new road to connect the existing road with the proposed location. Construction of the new road will meet the following standards.

Maximum grade should not exceed 7% (7' per 100). The trail will be a maximum of an 18" crown road (9' on either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run off from any normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

The road will be centerline flagged prior to the commencement of construction.

No major cuts or fills appear necessary. No culverts will be needed. See Topo Map B.

The grade of this road will be constructed from native borrow accumulated during construction.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements with a new gate installed at one end of the cattleguard.

Onsite inspection field comments:

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3) LOCATION OF EXISTING WELLS

Within a one mile radius the following wells are identified by category and listed below.

1. Water wells - none
2. Abandoned wells - producing - none  
Dry holes -
3. Temporarily abandoned wells - none
4. Disposal wells - none
5. Drilling wells - none  
Locations:
6. Producing wells - Snyder #2-32, SW NE Section 32-T6S-R22E  
Snyder #1-33, SW Section 33-T6S-R22E
7. Shut-in wells - none
8. Injection wells - none
9. Monitoring or observation wells - none

4) LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are no John P. Lockridge Operator, Inc. batteries, production facilities, oil gathering lines, gas gathering lines, injection or disposal lines within a two mile radius.

In the event that production of this well is established, then the existing area of the location will be utilized for the establishment of the necessary production facilities.

This area will be built, if possible, with the native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The rehabilitation of the disturbed area that is not required for the production of this well will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

If production facilities are necessary, these facilities will be constructed as shown in Figure 1.

4) Onsite inspection field comments:

5) LOCATION AND TYPE OF WATER SUPPLY

Water will be hauled from the Green River by truck. Application has been made for a state water permit.

The existing roads and proposed roads previously noted will be all that are needed. No water well will be drilled for this operation.

Onsite inspection field comments:

6) SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required the appropriate actions will be taken to acquire them from private sources.

7) METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

The mud pit will be approximately 12' deep and at least one half of this depth shall be below the surface of the existing ground.

A test tank will be used to contain produced fluids.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the mud pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife, domestic animals.

On the onset of drilling, the mud pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

When the mud pit dries and the reclamation activities commence, the pit will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

Trash will be placed in a completely enclosed container and hauled off the location.

All flammable materials will be burned and then buried upon completion of this well.

A portable chemical toilet will be supplied for human waste.

8) ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9) WELL SITE LAYOUT

See attached Location Layout Sheet. The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area. Then the pits will be lined with a gel and any other type material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10) PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9.) When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

As mentioned in Item #7, the mud pit will be completely fenced and wired and overhead wire and flagging installed, if there is oil in the pits, and then allowed to completely dry before covering.

Restoration activities shall begin as soon as possible after the mud pit has dried up, and will be completed without undue delay.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11) OTHER INFORMATION

The drillsite is located in an area of moderate slope (see cross section). The Surface is the Uinta formation, light brown sandy clay with sparse sagebrush cover. There are no trees on the proposed location.

General use of the surface is grazing. The new road and location are federally owned.

An archeological report will be filed on this prospect under separate cover.

The closest water is located in the Green River.

John P. Lockridge Operator, Inc.  
32-33 Horseshoe Bend Federal  
SW NE Section 33-T6S-R22E  
Uintah Co., Utah U-42210

11) Onsite inspection field comments:

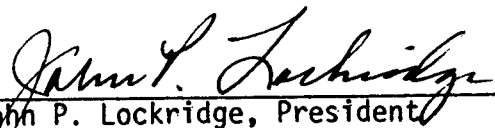
12) LESSEE'S OR OPERATOR'S REPRESENTATIVE

John P. Lockridge  
1444 Wazee, Suite 218  
Denver, Co 80204

Telephone - 303-628-9371

13) CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route. That I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by John P. Lockridge Operator, Inc., and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

  
\_\_\_\_\_  
John P. Lockridge, President

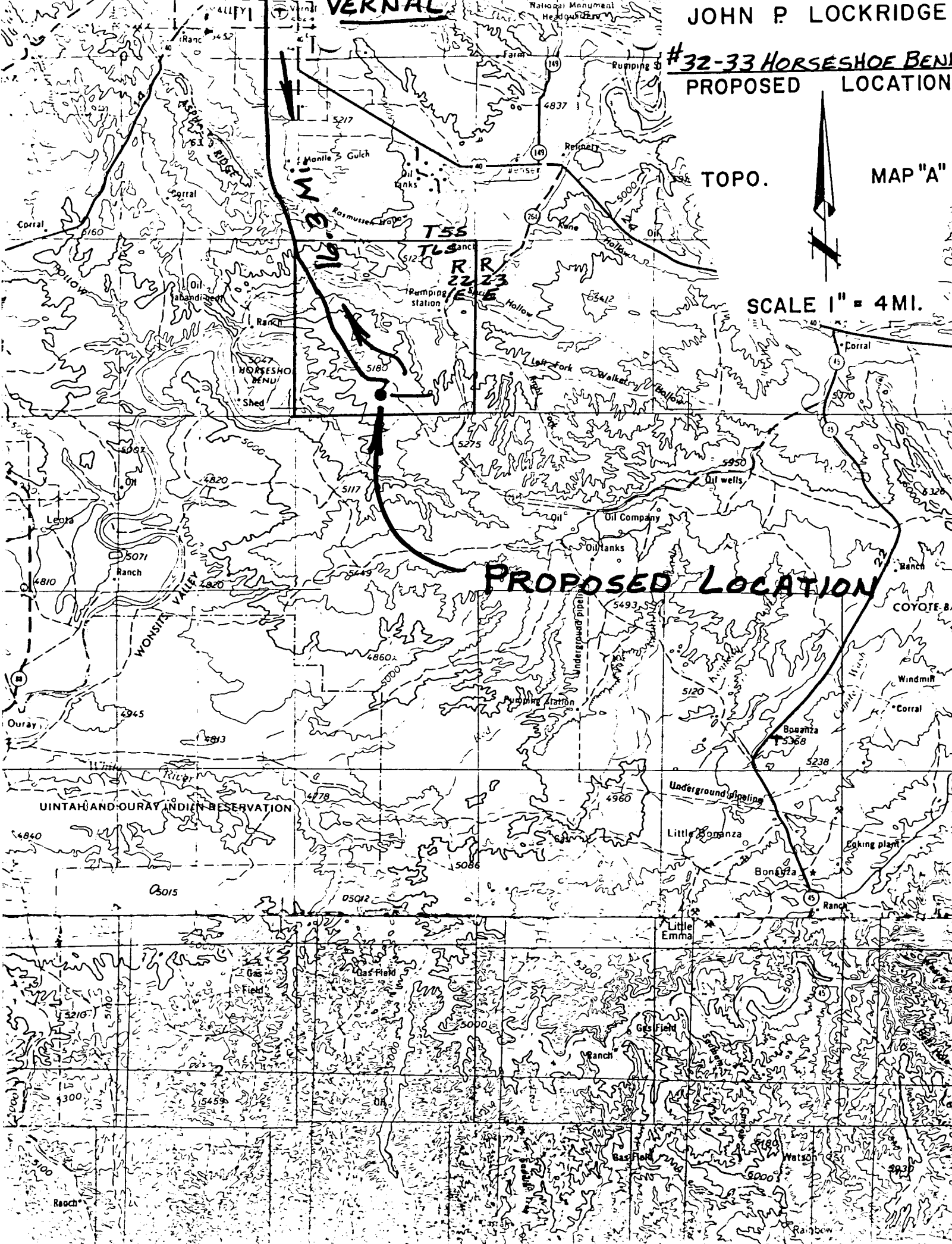
JOHN P. LOCKRIDGE

#32-33 HORSESHOE BEND  
PROPOSED LOCATION

TOPO.

MAP "A"

SCALE 1" = 4 MI.



JOHN P. LOCKRIDGE  
#32-33 HORSESHOE BEND  
PROPOSED LOCATION

TOPO.

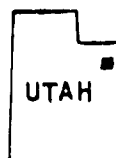
MAP "B"

SCALE 1" = 2000'

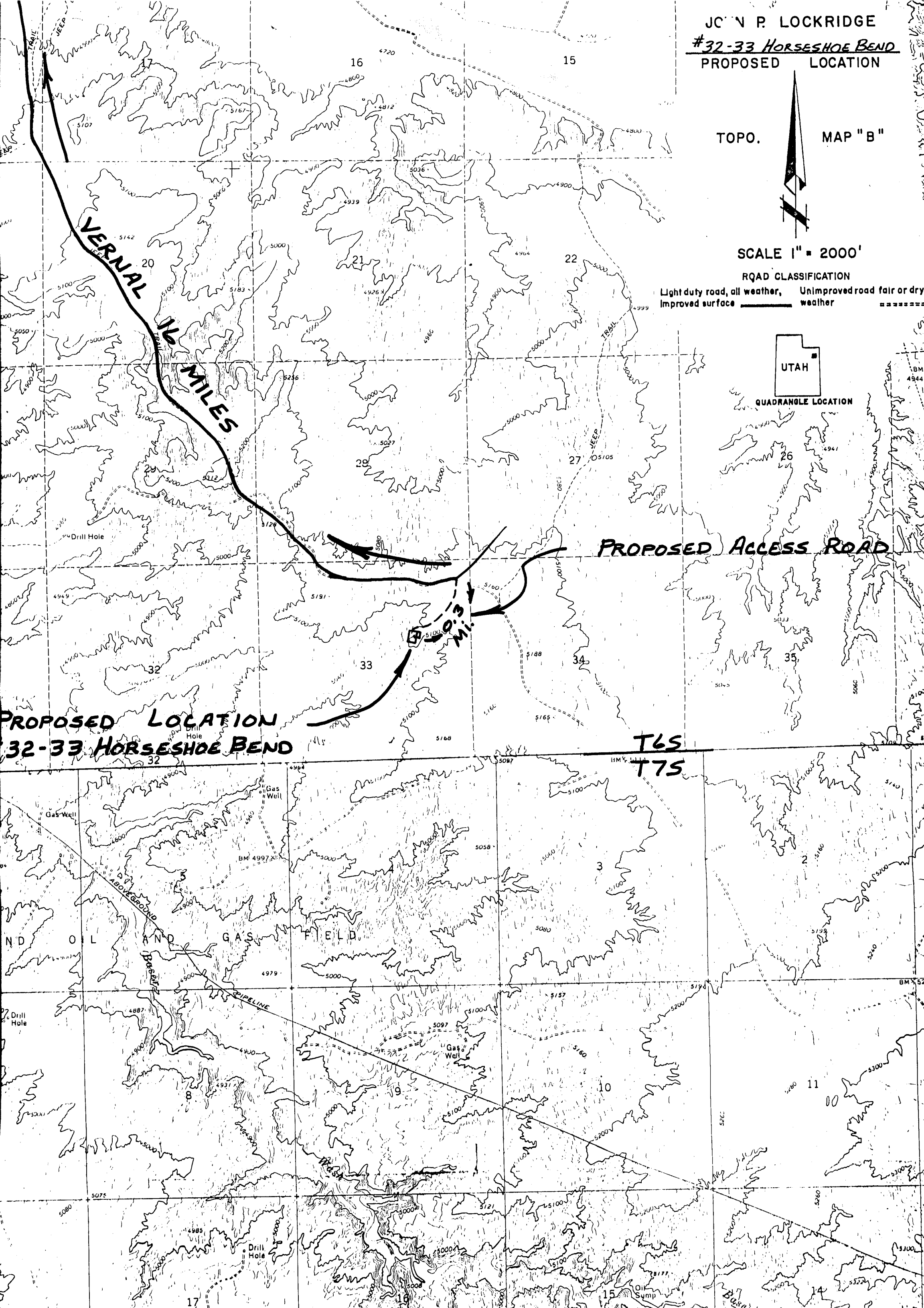
ROAD CLASSIFICATION

Light duty road, all weather,  
Improved surface

Unimproved road fair or dry  
weather



QUADRANGLE LOCATION



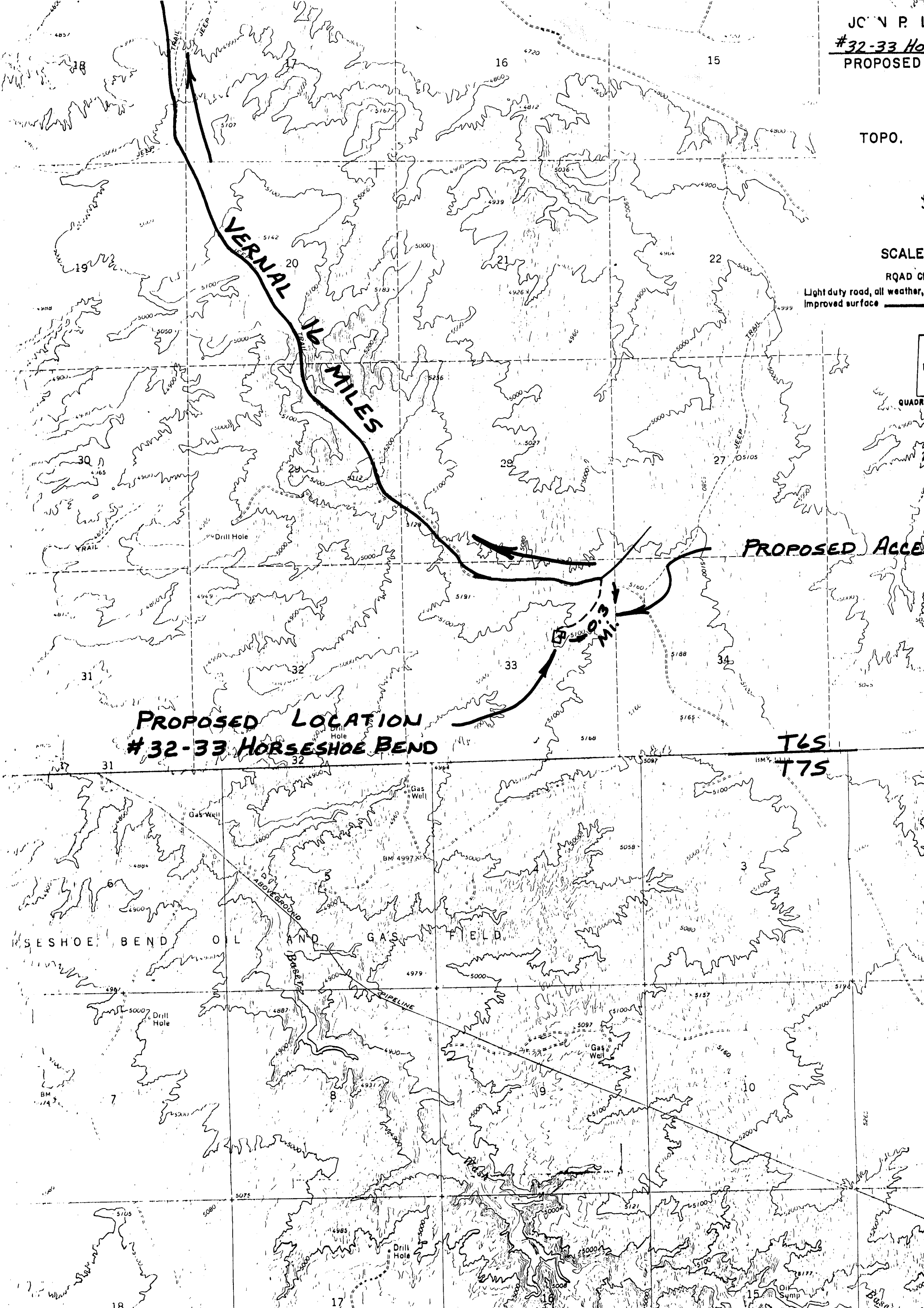
TOPO.

SCALE

RQAD C

Light duty road, all weather,  
Improved surface

QUADR



PROPOSED LOCATION  
#32-33 HORSESHOE BEND

PROPOSED ACCESS

T6S  
T7S

HORSESHOE BEND OIL AND GAS FIELD



TOPO.

MAP "B"

SCALE 1" = 2000'

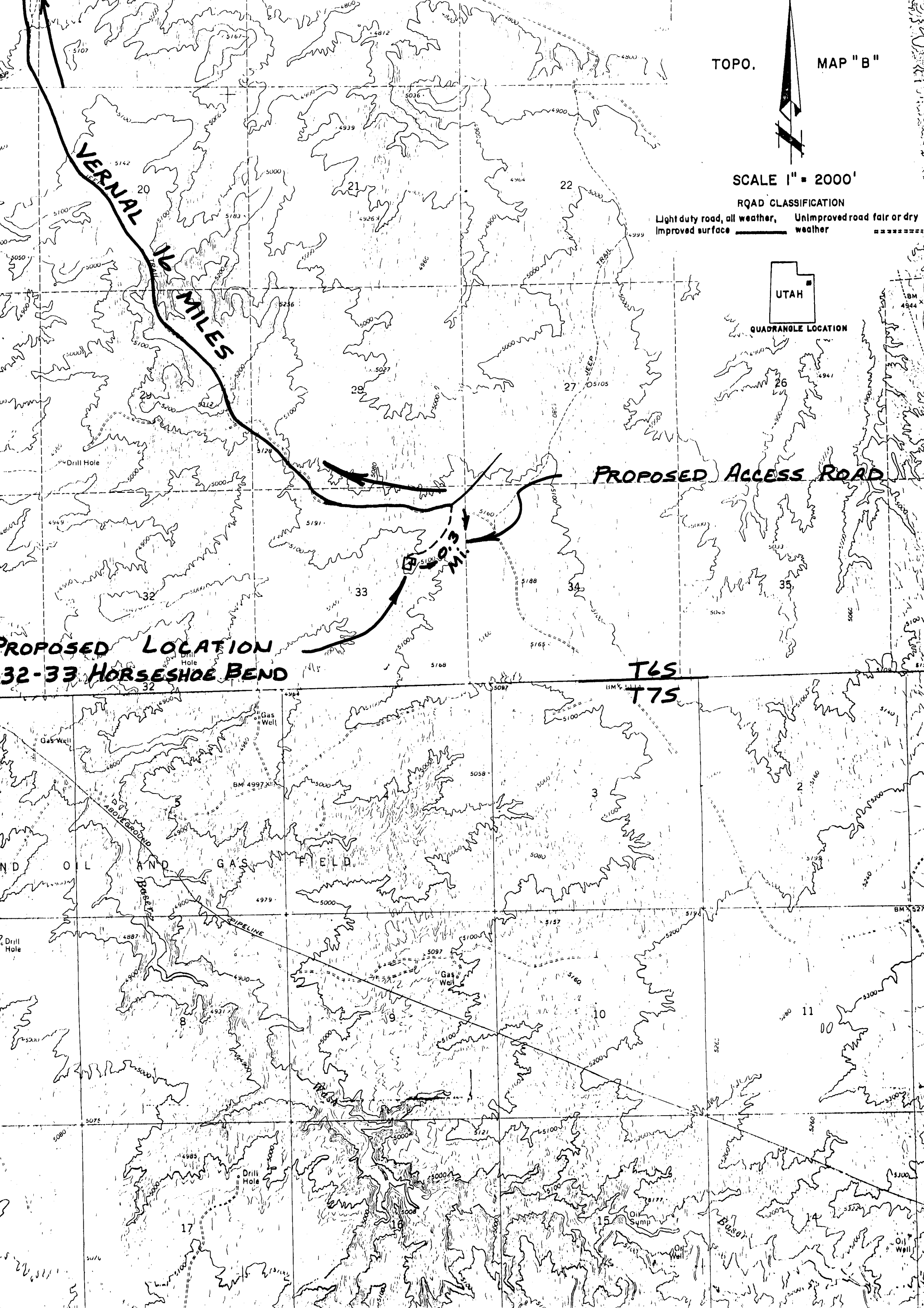
ROAD CLASSIFICATION

Light duty road, all weather,  
Improved surface

Unimproved road fair or dry  
weather

UTAH

QUADRANGLE LOCATION



PROPOSED ACCESS ROAD

PROPOSED LOCATION  
32-33 HORSESHOE BEND

T6S  
T7S



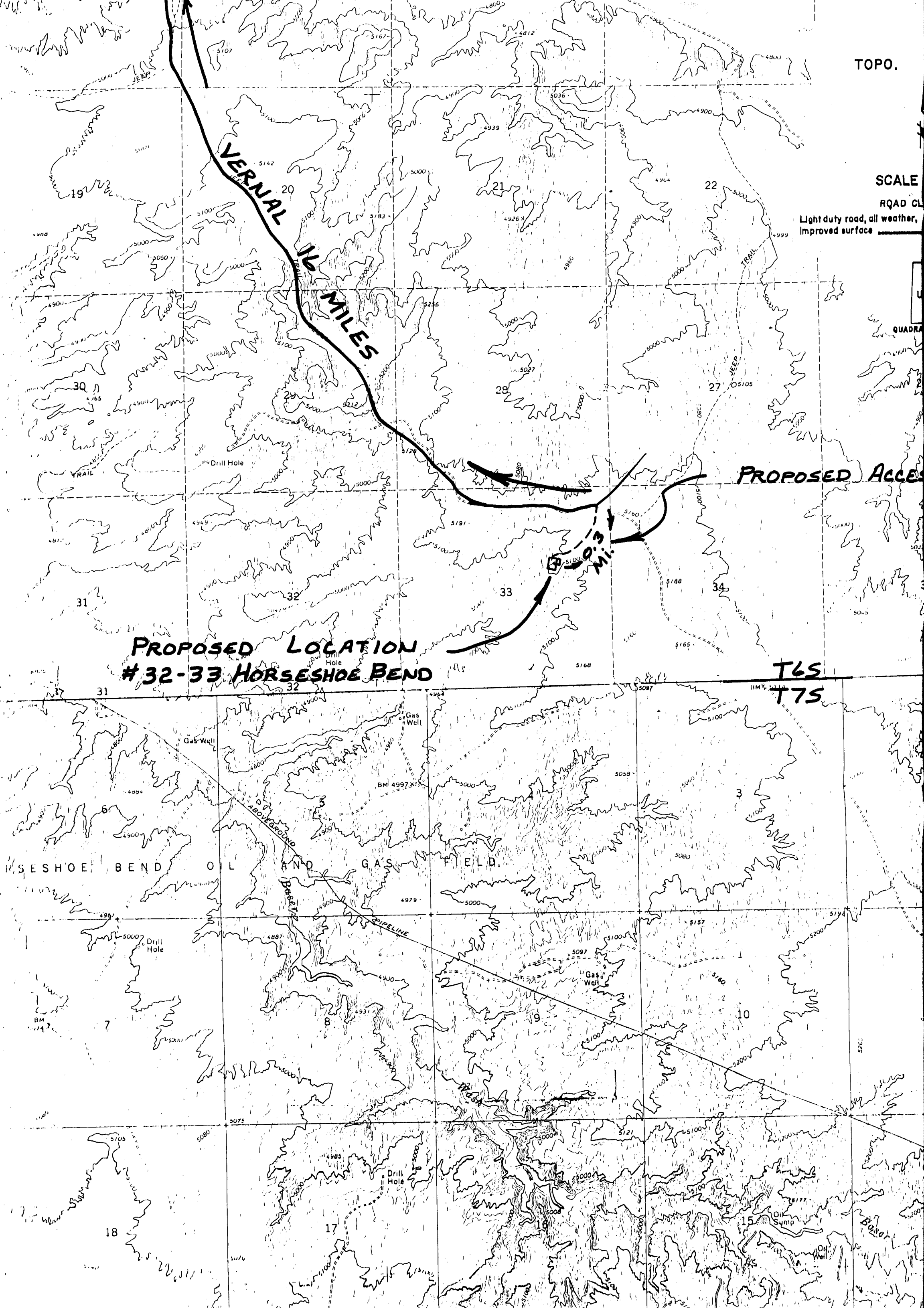
TOPO.

SCALE

RQAD CL

Light duty road, all weather,  
Improved surface

QUADRA



VERNAL 16 MILES

PROPOSED ACCESS

PROPOSED LOCATION  
#32-33 HORSESHOE BEND

T6S  
T7S

HORSESHOE BEND OIL AND GAS FIELD

18

17

16

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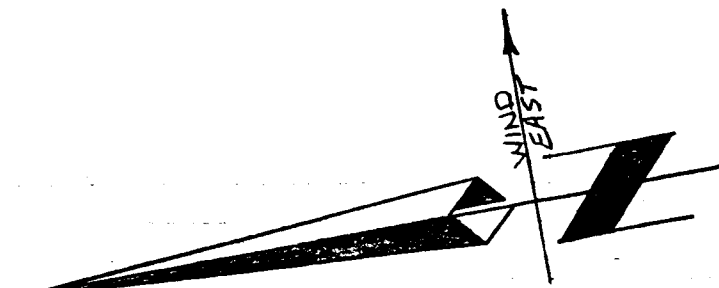
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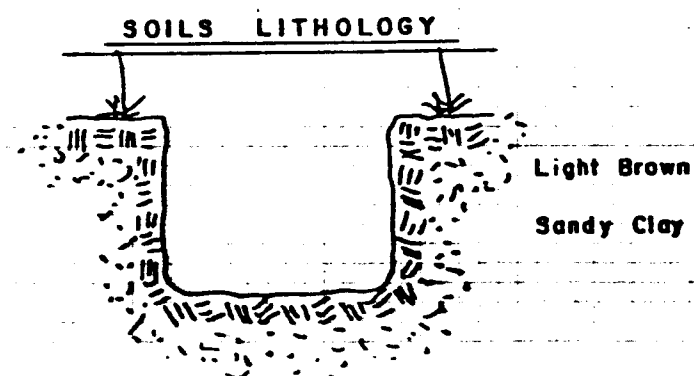
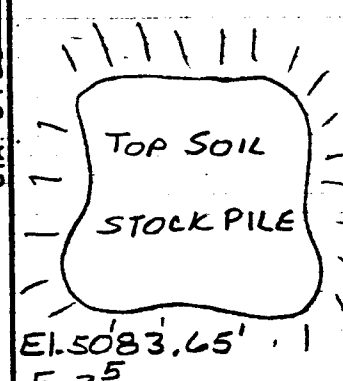
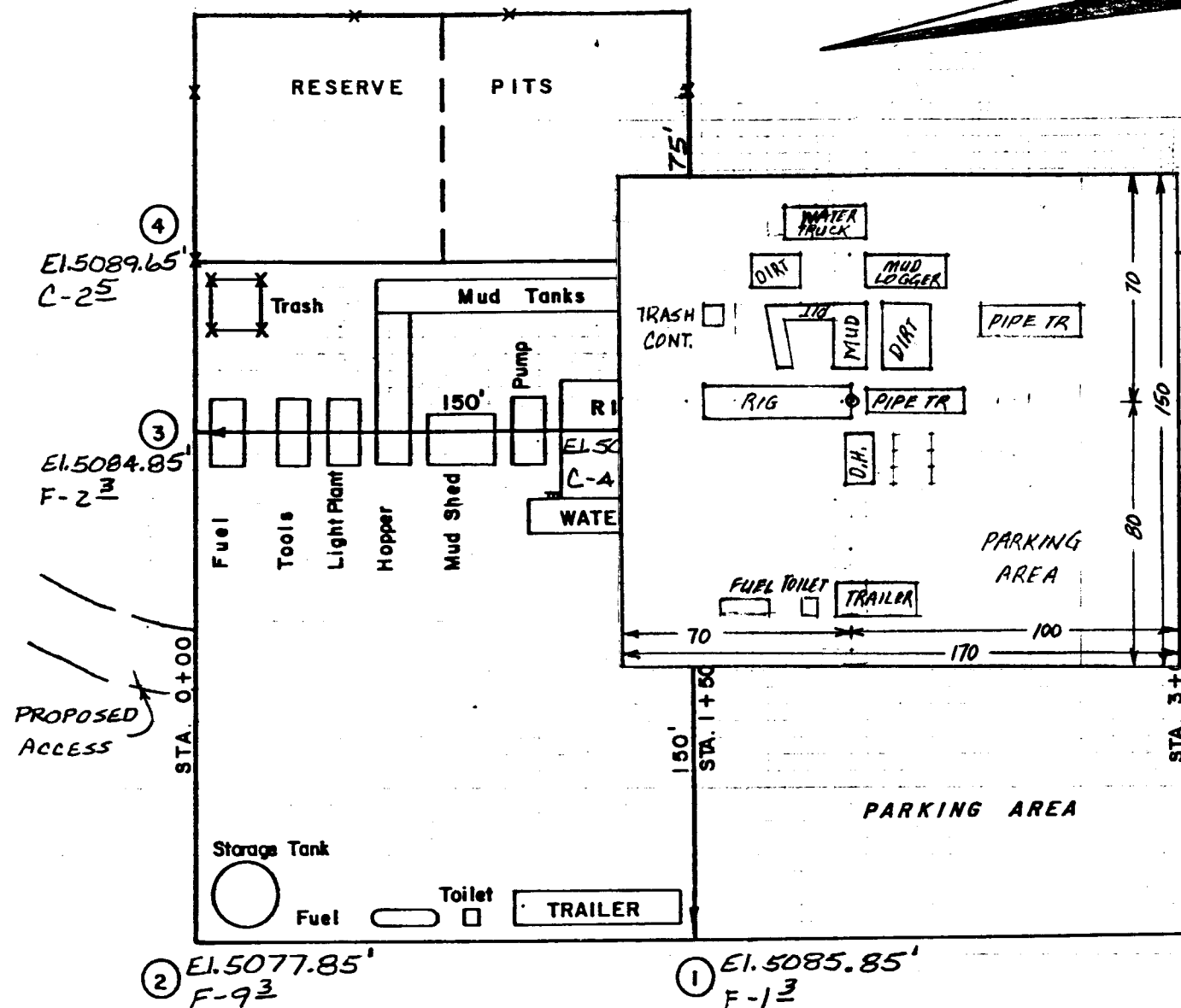
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(A)

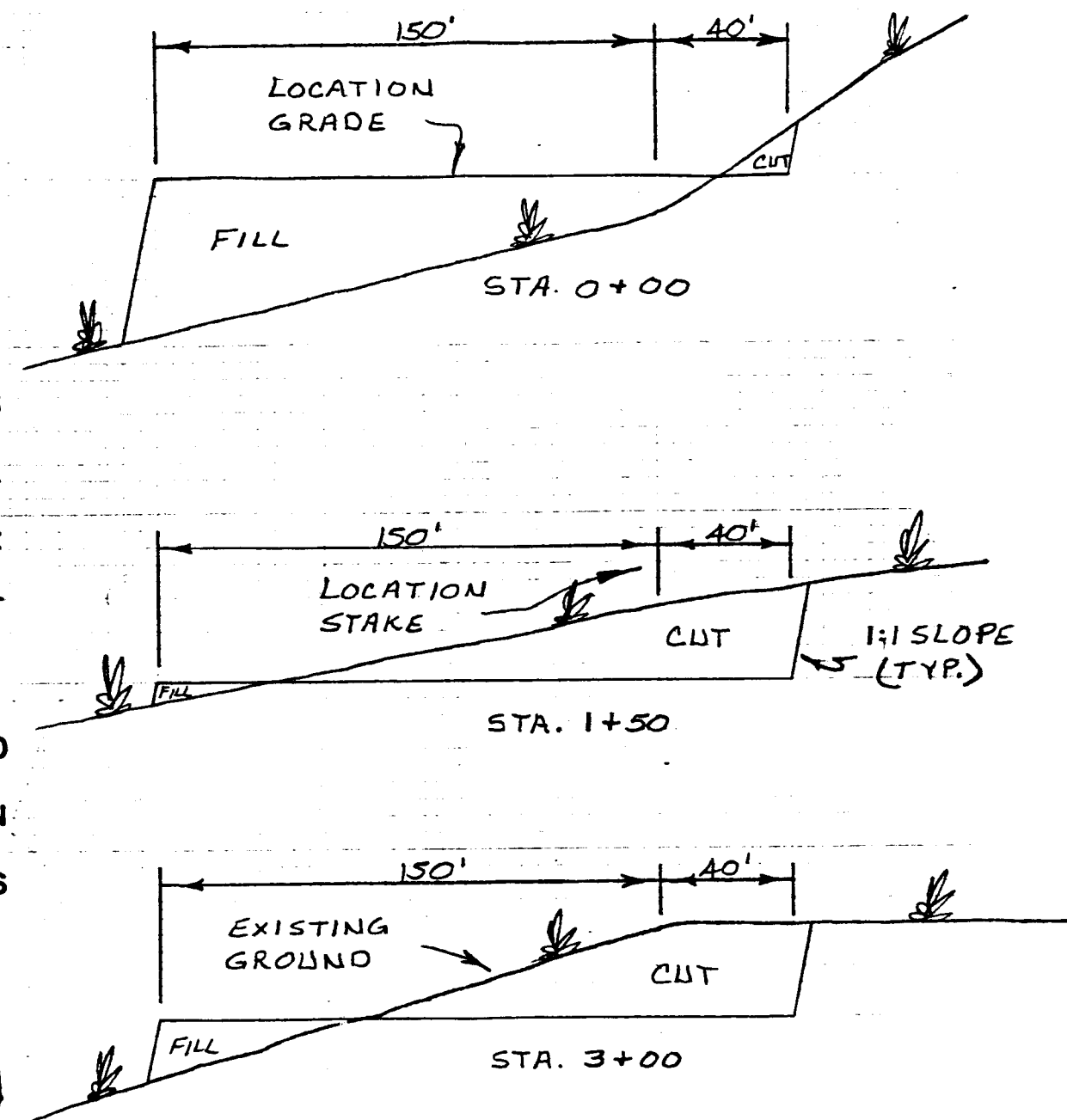
(B)



SCALE - 1" = 50'  
DATE - 7/18/84



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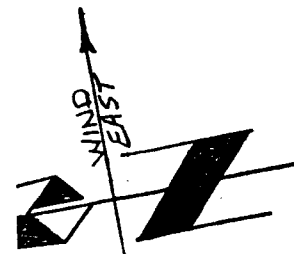
Scales

1" = 50'

APPROXIMATE YARDAGES

Cu. Yds. Cut - 4247

Cu. Yds. Fill - 3511



⑥  
EI. 5092.47'  
C-5<sup>3</sup>

⑦  
E15092.34'  
C-54

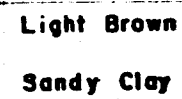
STA. 3+00

TOP SOIL  
STOCK PILE

EL. 5083.65

F-35

⑧



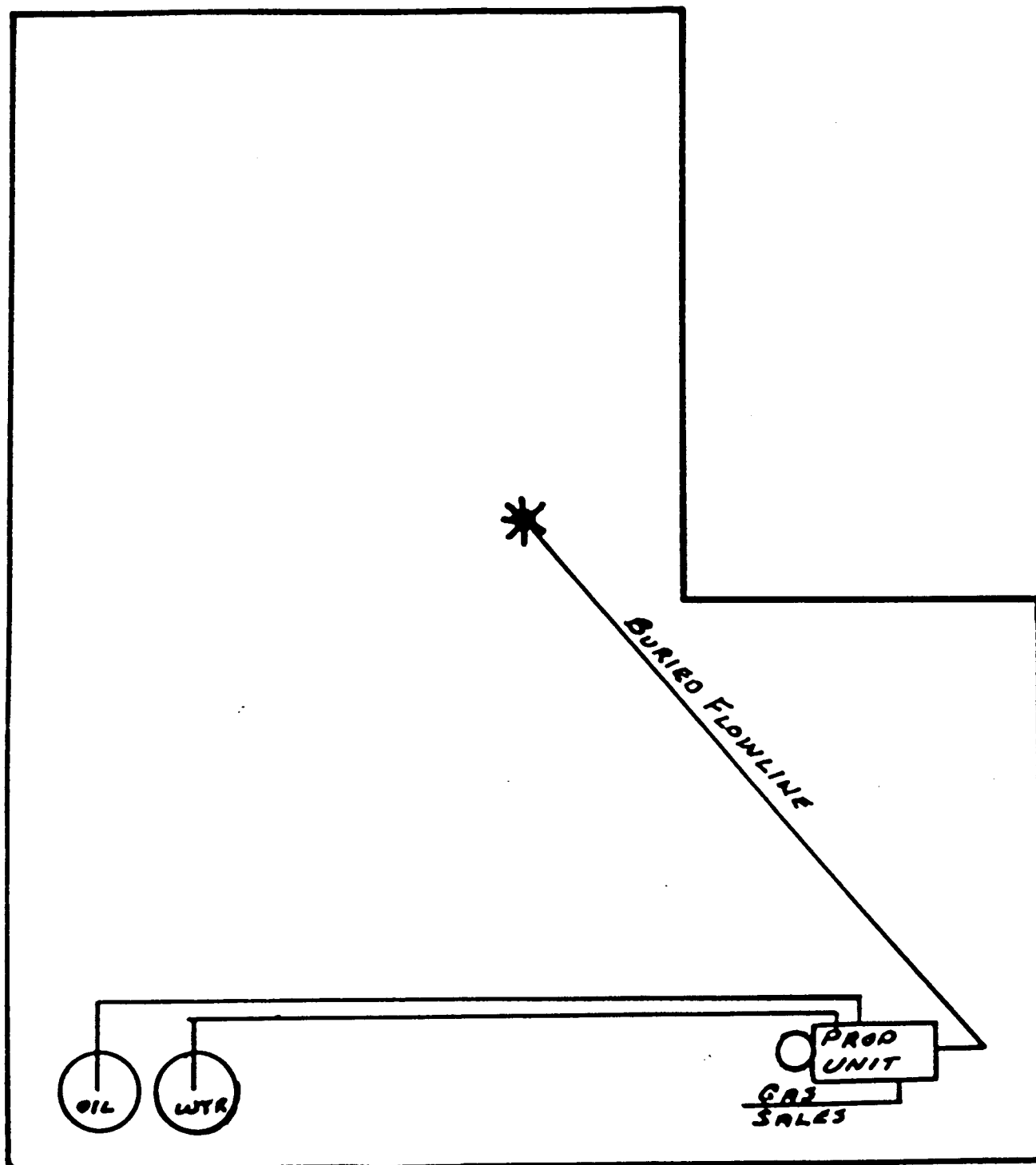
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Cm. Yds. Fill - 3511

JOHN P. LOCKRIDGE OPERATOR, INC.  
HORSESHOE BEND FEDERAL 32-33  
UINTAH CO. UTAH

FIGURE 1



Department of the Interior  
Bureau of Land Management  
Utah State Office

Summary Report of  
Section for Cultural Resources

BLM Report 10-40.

Report Acceptable

Yes ☐ No ☐

Mitigation Acceptable Yes ☐ No ☐  
Comments: \_\_\_\_\_

Report Title WELLS - HORSESHOE BEND AREA

Development Company John P. Lockridge, Units No. 32-3 and 32-33

Report Date 07/30/1984

4. Antiquities Permit No. 81-Ut-179

Responsible Institution AERC - JPL-84-11

County Uintah

Fieldwork Location: TWN 06S Range 22E

Section(s) 33 70 71 72 73 74 75 76 77

TWN 78 Range 82 85

Section(s) 86 87 88 89 90 91 92 93

Source Area BC TWN 94 Range 98 101

Section(s) 102 103 104 105 106 107 108 109

PO = PONY EXPRESS, BR = BEAR RIVER, PR = PRICE RIVER, WS = WARM SPRINGS  
BC = BOOK CLIFFS, HR = HOUSE RANGE, SE = SEVIER RIVER,  
HM = HENRY MOUNTAINS, BE = BEAVER RIVER, DX = DIXIE  
KA = KANAB, ES = ESCALANTE, SJ = SAN JUAN, GR = GRAND  
SR = SAN RAFAEL, DM = DIAMOND MOUNTAIN,

FBI in spaces 65, 69, 81, 85, 97, 101 Only if:  
V = Vernal Meridian  
H = Half Township

Description of Examination Procedures:

The archeologist, F.R. Hauck, walked a series of 15 meter wide transects covering 10 acres on each well location and double transects along the flagged access routes.

Linear Miles Surveyed and/or 0.6 112 117

Definable Acres Surveyed and/or 118 123

Legally Undefinable Acres Surveyed 2.0

(\*A parcel hard to cadastrally locate i.e., center of section)

10. Inventory Type I 130

R = Reconnaissance  
I = Intensive  
S = Statistical Sample

Description of Findings (attach appendices, if appropriate)

12. Number Sites Found: 0 131 135  
No sites = 0

No cultural sites or materials were observed or recorded during the survey.

13. Collection: N Y = Yes, N = No  
136

Actual/Potential National Register Properties Affected:

The National Register has been consulted and no registered properties will be affected by the proposed developments.

Literature Search, Location/Date:

Vernal District Office, 7-19-84

Conclusion/Recommendations:

AERC recommends that a cultural resource clearance be granted to Horseshoe Bend Units No. 32-3 and 32-33 / John P. Lockridge based upon adherence to the stipulations noted on the reverse:

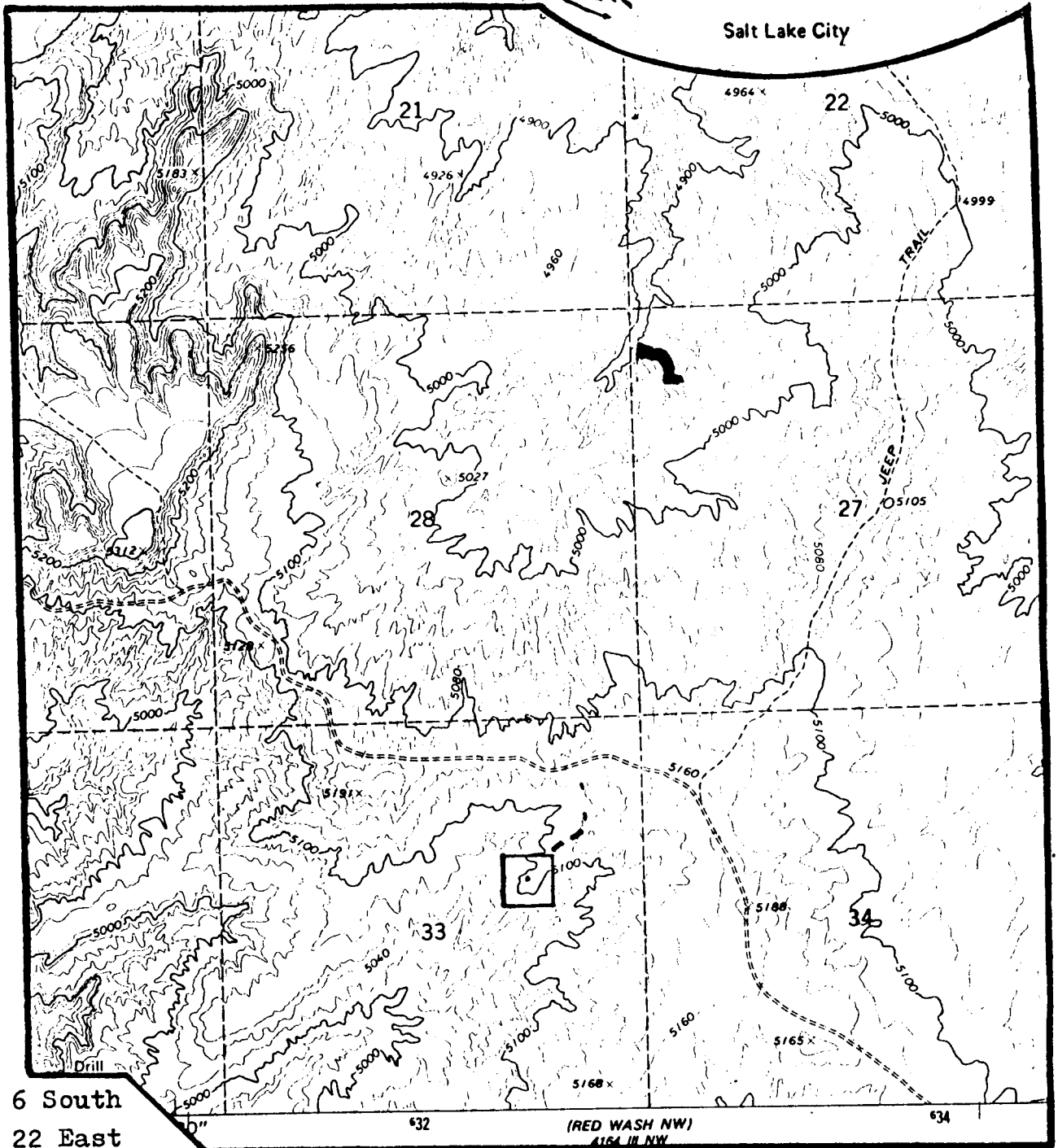
Signature

*[Handwritten Signature]*

8100-  
(8/8)

16. CONTINUED:

1. All vehicular traffic, personnel movement, and construction be confined to the locations examined and to the evaluated access roads.
2. All personnel refrain from collecting artifacts or from disturbing any cultural resources in the area.
3. A qualified archeologist be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the construction area.



T. 6 South  
R. 22 East

Meridian: Salt Lake B. & M.

Quad:

Rasmussen Hollow,  
Utah  
7.5 minute-USGS

Project: JPL-84-1

Series: Uinta\_Basin

Date: 7-30-84

Map 1

Cultural Resource Survey  
of Horseshoe Bend Unit  
No. 32-33 in the Horseshoe  
Bend Locality, Uintah Co.

Legend:

10 Acre Survey  
Area

Access Route



2.64" = 1 mile  
Scale

# JOHN P. LOCKRIDGE OPERATOR, INC.

August 6, 1984

State of Utah  
Department of Natural Resources  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Approval for Use of Water  
John P. Lockridge Operator, Inc.  
32-33 Horseshoe Bend  
SW NE 32-T6S-R22E  
Uintah County, Utah

**RECEIVED**

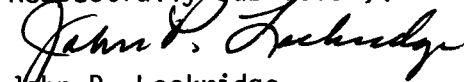
**AUG 8 1984**

**DIVISION OF OIL  
GAS & MINING**

Dear Sir:

Enclosed please find an approved application for temporary use of water out of the Green River for drilling gas wells in the Horseshoe Bend area. The Temporary Application No. is 49-1326(T60065)

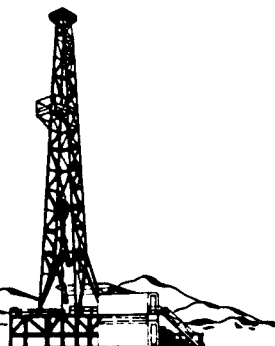
Respectfully submitted,



John P. Lockridge

JPL/sl

enclosure





JUN 2 1984

**TEMPORARY**Application No. T 60063  
49-1326**TEMPORARY****APPLICATION TO APPROPRIATE WATER  
WATER RIGHTS STATE OF UTAH**

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☐ Domestic ☐ Stockwatering ☐ Municipal ☐ Power ☐ Mining ☐ Other Uses ☒
2. The name of the applicant is John P. Lockridge AC 303 + 628-9371
3. The Post Office address of the applicant is 1444 Wazee, Suite 218, Denver CO 80202
4. The quantity of water to be appropriated \_\_\_\_\_ second-feet and/or 3 acre-feet
5. The water is to be used for gas well drilling from 7/1/84 to 6/30/85  
(Major Purpose) (Month) (Day) (Month) (Day)

other use period \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_  
(Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from \_\_\_\_\_ to \_\_\_\_\_  
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is AUG 8 1984  
(Leave Blank)
7. The direct source of supply is\* Green River DIVISION OF OIL  
(Name of stream or other source) GAS & MINING

which is tributary to \_\_\_\_\_, tributary to \_\_\_\_\_

\*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Utah County, situated at a point\*  
2400' FWL & 1700' FWL Section 7-T65-R22E,  
or 2400' South and 1700' East from the NW corner of said  
Section.

\*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of pumping the water from the Green River into water truck and hauling to drill rig location
10. If water is to be stored, give capacity of reservoir in acre-feet \_\_\_\_\_ height of dam \_\_\_\_\_  
area inundated in acres \_\_\_\_\_ legal subdivision of area inundated \_\_\_\_\_

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:

Not applicable

12. Is the land owned by the applicant? Yes \_\_\_\_\_ No X If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes \_\_\_\_\_ No X  
If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity. \_\_\_\_\_

15. If application is for mining, the water will be used in \_\_\_\_\_ Mining District at the \_\_\_\_\_ mine, where the following ores are mined \_\_\_\_\_

16. If application is for stockwatering purposes, number and kind of stock watered \_\_\_\_\_

17. If application is for domestic purposes, number of persons \_\_\_\_\_, or families \_\_\_\_\_

18. If application is for municipal purposes, name of municipality \_\_\_\_\_

19. If application is for other uses, include general description of proposed uses The drilling of oil and gas test wells in the Horseshoe Bend - Walker Hollow area.

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Please see listing on reverse side

21. The use of water as set forth in this application will consume 3 second-feet and/or acre-feet of water and 0 second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows: \_\_\_\_\_

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Drill site locations at which water is to be used:		SURFACE
SW SW 25-T65-R22E	#14-25 Horseshoe Bend	BLM
SW SW 27-T65-R22E	#14-27 Horseshoe Bend	BLM
SW NE 32-T65-R22E	#32-33 Horseshoe Bend	BLM
SW SW 35-T65-R22E	#14-35 Horseshoe Bend	BLM
SW NW 2-T75-R22E	#12X-2 Horseshoe Bend	Utah State
SW NE 3-T75-R22E	#32-3 Horseshoe Bend	BLM

Item 12: Answer "No". Explanation: We do not own the land but have the right to explore for and develop oil and gas.

The drilling contractor will be

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

*John P. Luchidge*  
Signature of Applicant

\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

Colorado  
STATE OF UTAH } ss  
County of Denver

On the 25th day of JUNE, 1984, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires: 1444 Wazee St., Suite 218  
Denver, Colorado 80202

(SEAL)

*Sarah-Lee Leonard*  
Notary Public

# FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

Flow rate — c.f.s.	Cost	
0.0 to 0.1 .....	\$ 15.00	
over 0.1 to 0.5 .....	30.00	
over 0.5 to 1.0 .....	45.00	
over 1.0 to 15.0 .....	45.00	plus \$7.50 for each cfs above the first cubic
over 15.0 .....	150.00	foot per second.
Storage — acre-feet		
0 to 20 .....	22.50	
over 20 to 500 .....	45.00	
over 500 to 7500 .....	45.00	plus \$7.50 for each 500 a.f. above the first
over 7500 .....	150.00	500 acre feet.

(This section is not to be filled in by applicant)

## STATE ENGINEER'S ENDORSEMENTS

1. 6/20/84 Application received by mail over counter in State Engineer's office by CL
2. Priority of Application brought down to, on account of .....
3. 6-58-84 Application fee, \$15.00, received by J.H. Rec. No. 16002
4. Application microfilmed by ..... Roll No. ....
5. Indexed by ..... Platted by .....
6. Application examined by .....
7. Application returned, ..... or corrected by office .....
8. Corrected Application resubmitted by mail over counter to State Engineer's office.
9. Application approved for advertisement by .....
10. Notice to water users prepared by .....
11. Publication began; was completed .....  
Notice published in .....
12. Proof slips checked by .....
13. Application protested by .....
14. Publisher paid by M.E.V. No. ....
15. Hearing held by .....
16. Field examination by .....
17. 7/26/84 Application designated for approval rejection SG
18. 8/3/84 Application copied or photostated by SLM proofread by .....
19. 8/3/84 Application approved rejected
20. Conditions:

This Application is approved, subject to prior rights, as follows:

- a. Actual construction work shall be diligently prosecuted to completion.
- b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
- c. TEMPORARY APPROVAL -- EXPIRES June 30, 1985.

Dee C. Hansen  
Dee C. Hansen, P.E., State Engineer

21. Time for making Proof of Appropriation extended to .....
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No. ...., issued

**TEMPORARY**

Application No. 160065

**NOTICE TO APPLICANT**

All waters in this state, whether above or under the ground, are the property of the public, subject to all existing rights to the use thereof. No appropriation of the unappropriated public water may be made and no rights to the use thereof shall be recognized except Application for such appropriation first be made to the State Engineer.

The approval of this Application is not a Certificate of Appropriation. It is merely your authority to begin construction work, which must be prosecuted diligently to completion. To secure a Certificate of Appropriation under this Application, Proof of Appropriation must be submitted within the time limit allowed by the State Engineer. The amount of water for which Certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water specified in this Application. Proof of Appropriation must be made in accordance with the requirements of the law. For further information write the State Engineer.



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P.O. Box 853 - Bountiful, Utah 84010

Tel.: 801 292-7061

July 30, 1984

Subject: Cultural Resource Evaluations of Proposed Well  
Locations Horseshoe Bend No. 32-33 and 32-3  
in the Horseshoe Bend Locality of Uintah  
County, Utah

Project: John P. Lockridge 1984 Drilling Program

Project No.: JPL-84-1

Permit: Dept. of Interior 81-Ut-179

To: ✓ Mr. John P. Lockridge, 1444 Wazee Street, Suite  
218, Denver, Colorado 80202

Mr. Lloyd Ferguson, District Manager, Bureau of  
Land Management, 170 South 500 East, Vernal,  
Utah 84078

Info: Mr. Rich Fike, BLM State Archeologist, Bureau  
of Land Management, University Club Building,  
136 East South Temple, Salt Lake City,  
Utah 84111

RECEIVED AUG 02 1984

OPERATOR

John P. Lockridge

DATE

8-9-84

WELL NAME

Horseshoe Bend 32-33

SEC SWNE 33

T 65

R 22E

COUNTY

Uintah

43047-31526

API NUMBER

fed.

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

Cause No. 145-2

Water & - 49-1326 (T60065)

CHIEF PETROLEUM ENGINEER REVIEW:

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☒

c-3-a

Cause No. 145-2 10/23/80  
CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

1- Horseshoe Bend 32-33 to be completed in the  
Uinta formation only.

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☒ ORDER 145-2

☐ UNIT \_\_\_\_\_

☐ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☐ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

☒ VERIFY LEGAL AND SUFFICIENT DRILLING WATER

August 13, 1984

John P. Lockridge  
1444 Wazee Street, Suite 218  
Denver, Colorado 80202

Gentlemen:

RE: Well No. Horseshoe Bend #32-33 - SWNE Sec. 33, T. 6S, R. 22E  
2000' FNL, 1444' FEL - Uintah County, Utah

Approval to drill the above referenced gas well is hereby granted in accordance with Order of Cause No. 145-2 dated October 23, 1980 subject to the following stipulations:

1. Horseshoe Bend #32-33 to be completed in the Uinta Formation only.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31526.

Sincerely,

Original Signed by Ronald J. Firth  
R. J. Firth  
Associate Director, Oil & Gas

RJF/as  
Enclosures  
cc: Branch of Fluid Minerals



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR

1444 Wazee Street, Suite 218, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

SW NE (2000' FNL &amp; 1444' FEL) Section 33-T6S-R22E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

16 miles southeast of Vernal, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1444'

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

3000'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5096' Gr., 5101' KB

23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	8 5/8"	24.0	200'
6 3/4"	4 1/2"	9.5	3600'

Circulate to surface sufficient  
to seal all productive zones

See attached:

- 1) Ten Point Drilling Program
- 2) Multipoint Surface Use and Operation Plan
- 3) Cultural Resource Survey Report

RECEIVED

AUG 23 1984

DIVISION OF OIL  
& GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*John P. Lockridge*

TITLE

President

DATE

August 6, 1984

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

*Don Alvord*

TITLE

DISTRICT MANAGER

DATE

08-21-84

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

UT-080-4-M-239

State 0 &amp; 1

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company John P. Lockridge, Inc. Well No. 32-33  
Location Sec. 33 T 6S R 22E Lease No. U-44210  
Onsite Inspection Date 07-24-84

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

Prior to drilling out the surface casing shoe, the ram-type preventers shall be tested to 2,000 psi, and the annular-type preventer shall be tested to 1,500 psi.

Upper kelly valve shall be utilized.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

4. Mud Program and Circulating Medium

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

6. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status.

Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

B. THIRTEEN POINT SURFACE USE PLAN

7. Location of Tank Batteries and Production Facilities

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain  $1\frac{1}{2}$  times the storage capacity of the battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and anchored securely downstream of the meter. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

8. Source of Construction Material

Road surfacing and pad construction material will be obtained from materials located on the lease.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

9. Methods of Handling Waste Disposal

The reserve pit will not be lined.

Burning will not be allowed. All trash will be placed in an enclosed container or trash cage and hauled off the location to an approved disposal site.

Produced waste water will be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

10. Well Site Layout

The reserve pit will be located as indicated for the mud pit on the revised layout diagram.

The stockpiled topsoil will be stored near stake No. 8 at the southwest corner of the pad. About six inches of topsoil will be stored there.

Access to the well pad will be as indicated in the APD.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

11. Plans for Restoration of Surface

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

12. Other Information

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future drilling operations.

w/b/c

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: JOHN P LOCKRIDGE

WELL NAME: HORSESHOE BEND FEDERAL 32-33

SECTION SWNE 33 TOWNSHIP 6S RANGE 22E COUNTY UINTAH

DRILLING CONTRACTOR LEON ROSS

RIG # DRY HOLE SPUDDER

SPUDDED: DATE 9-29-84

TIME 9:30 AM

How

DRILLING WILL COMMENCE SURFACE TO 227' with 8 5/8", no date on rotary rig.

REPORTED BY CURRY GRIMLIE

TELEPHONE #

DATE 10-1-84 SIGNED GL



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR  
John P. Lockridge Operator, Inc.
3. ADDRESS OF OPERATOR  
80202  
1444 Wazee St., Suite 218, Denver, CO
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
SW NE Section 33-T6S-R22E  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- | REQUEST FOR APPROVAL TO:                      | SUBSEQUENT REPORT OF:    |
|---|--------------------------|
| TEST WATER SHUT-OFF <input type="checkbox"/>  | <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/>       | <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>     | <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/>          | <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE <input type="checkbox"/>    | <input type="checkbox"/> |
| CHANGE ZONES <input type="checkbox"/>         | <input type="checkbox"/> |
| ABANDON* <input type="checkbox"/>             | <input type="checkbox"/> |
| (other) <u>Notification of spud date</u>      |                          |

5. LEASE <u>U-44210</u>	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----	
7. UNIT AGREEMENT NAME -----	
8. FARM OR LEASE NAME <u>Horseshoe Bend Federal</u>	
9. WELL NO. <u>32-33</u>	
10. FIELD OR WILDCAT NAME	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Section 33-T6S-R22E</u>	
12. COUNTY OR PARISH <u>Uintah</u>	13. STATE <u>Utah</u>
14. API NO. <u>43-047-31526</u>	
15. ELEVATIONS (SHOW DF, KDB, AND WD) <u>5096 Gr., 5108' KB</u>	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilling of the subject well was 9/30/84. Drilled 12 1/4" hole to 227' with spudder rig. Ran 6 joints, 230' 8 5/8" casing and cemented with 110 sacks. Good circulation of cement to surface. Plug down at 4:00 p.m., 9/30/84.

**RECEIVED**

**OCT 4 1984**

**DIVISION OF OIL  
& GAS & MINING**

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED John P. Lockridge TITLE President DATE 10-1-84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

# JOHN P. LOCKRIDGE OPERATOR, INC.

December 17, 1984

Bureau of Land Management  
170 S. 500 E.  
Vernal, Utah 84078

**RECEIVED**  
DEC 20 1984

DIVISION OF  
OIL, GAS & MINING

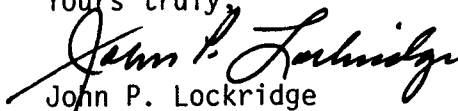
Re: John P. Lockridge Operator, Inc.  
#32-33 Horseshoe Bend Federal  
SW NE Section 33-T6S-R22E  
Uintah County, Utah  
Well Completion Report

Gentlemen:

Enclosed please find duplicate copies of the Well Completion Report (Form 9-330) and well history for the captioned well.

Your prompt consideration and approval of this report will be appreciated.

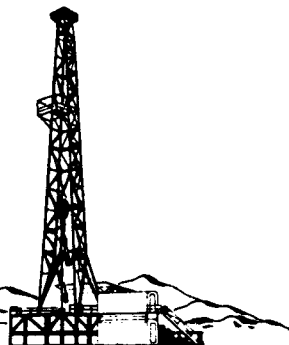
Yours truly,

  
John P. Lockridge

JPL/sl

Enclosures

cc: State of Utah  
Division of Oil Gas and Mining  
Well Participants



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.LEASE DESIGNATION AND SERIAL NO.  
U-44210

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

DEC 20 1984

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>	
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.						
3. ADDRESS OF OPERATOR 1444 Wazee Street, Suite 218, Denver, Colorado 80202						
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface SW NE (2000' FNL & 1444' FEL) Section 33-T6S-R22E At top prod. interval reported below At total depth						
14. PERMIT NO.		DATE ISSUED		12. COUNTY OR PARISH		13. STATE
API# 43-047-31526		8/23/84		Utah		Utah
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD	
9/30/84	11/26/84	12/11/84	5096' Gr., 5101' KB		5098'	
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS	
3555'	3365'		→	A11		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Uinta sandstones: 3272-3276 3186-3190 3218-3226					25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger DISFI and FCD/CNL with GPR FET					27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)						
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED
8 5/8"	24#	230'	12 1/4"	110 sacks		----
4 1/2"	10.5#	3405'	6 3/4"	260 sacks		----
29. LINER RECORD						
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)		
30. TUBING RECORD						
SIZE	DEPTH SET (MD)	PACKER SET (MD)				
2 3/8"	3178'					
31. PERFORATION RECORD (Interval, size and number) 3272-3276, 3218-3226, 3186-3190 with 2 jet shots per foot, 3 1/8" casing gun				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	
				3186-3276 (gross)	35,000# sand & 19,000 gal KCL H2O, 70% quality nitrogen foam	
33.* PRODUCTION						
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)	
----		Flowing			shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.
12/10/84	11 1/2	18/64"	→		756	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
300		→		756		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented					TEST WITNESSED BY D.D. Grimlie	
35. LIST OF ATTACHMENTS Well history. E-logs provided directly by Schlumbergers Vernal office.						
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						
SIGNED John P. Lockridge		TITLE President			DATE 12/17/84	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Uinta	3186 3218 3272	3190 3226 3276	Sandstone: loose grains, fine to medium grain, sub-rounded, with mud log shows, indicative of gas potential.	Uinta	Surface	

# JOHN P. LOCKRIDGE OPERATOR, INC.

January 14, 1985

Bureau of Land Management  
170 S. 500 E.  
Vernal, Utah 84078

**RECEIVED**

JAN 28

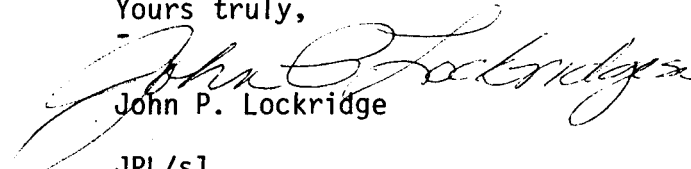
**DIVISION OF OIL  
GAS & MINING**

Re: Lockridge et al #32-33  
Horseshoe Bend Federal  
SW NE section 33-T6S-R22E  
Uintah County, Utah  
Sundry Notice

Gentlemen:

A Sundry Notice (in triplicate) for the #32-33 Horseshoe Bend Federal, reporting first production is enclosed for your consideration and approval. Your prompt response will be appreciated.

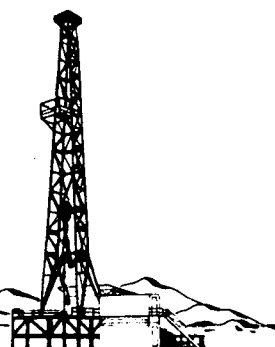
Yours truly,

  
John P. Lockridge

JPL/s1

Enclosure

cc: Ron Firth, Utah Division of  
Oil Gas and Mining



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI  
(Other instructions  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

3

SUNDRY NOTICES AND REPORTS **RECEIVED**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		JAN 28 1985	
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		DIVISION OF OIL GAS & MINING	
3. ADDRESS OF OPERATOR 1444 Wazee Street, Suite 218, Denver, Colorado 80202		9. WELL NO. 32-33	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW NE Section 33-T6S-R22E		10. FIELD AND POOL, OR WILDCAT	
14. PERMIT NO. 43-047-31526		15. ELEVATIONS (Show whether DF, ST, GR, etc.) 5096' Gr., 5108; KB	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 33-T6S-R22E	
		12. COUNTY OR PARISH Uintah	
		13. STATE County	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/> First Production	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Notice of Production

First production: January 7, 1985, 2:00 P.M.

Gas sold to Utah Gas Service Company

18. I hereby certify that the foregoing is true and correct.

SIGNED

John P. Lockridge

TITLE

President

DATE

1/14/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

# JOHN P. LOCKRIDGE OPERATOR, INC.

September 30, 1985

RECEIVED

OCT 02 1985

Mr. Brad Palmer  
Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078

DIVISION OF OIL  
GAS & MINING

Re: Sundry Notice  
#32-33 Horseshoe Bend Federal  
Lease No. U-44210  
Uintah County, Utah  
Proposal to build unlined pit

Dear Mr. Palmer:

Enclosed please find a Sundry Notice, in triplicate, with a proposal to build an unlined pit to dispose of water from the #32-33 Horseshoe Bend Federal gas well.

Mr. Curley Grimlie is currently working for us in the Vernal area and he would be available to answer any questions you might have regarding this Sundry Notice. Please feel free to call our office at the Denver number shown below with any questions or comments also. Mr. Grimlie may be reached at the following mobile telephone number: 801/ 789-4200 - ask for unit 8533.

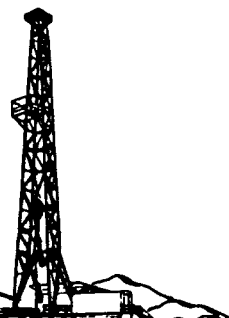
Your prompt consideration and approval of this Sundry Notice will be appreciated.

Yours truly,

  
John P. Lockridge

JPL/sl

cc: State of Utah  
Division of Oil, Gas and Mining  
Curley Grimlie



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIAL  
(Other instructions on reverse side)

BUDGET BUREAU NO. 1004-0133  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-44210
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----
3. ADDRESS OF OPERATOR 1444 Wazee Street, Suite 218, Denver, Colorado		7. UNIT AGREEMENT NAME -----
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW NE Section 33-T6S-R22E		8. FARM OR LEASE NAME Horseshoe Bend Federal
14. PERMIT NO. 43-047-31526		9. WELL NO. #32-33
15. ELEVATIONS (Show whether OF, RT, or BL) 5096' Gr., 5108' KB		10. FIELD AND POOL, OR WILDCAT
DIVISION OF OIL GAS & MINING		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 33-T6S-R22E
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) build unlined pit for water disposal	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Because of the volume of water produced from this well is approximately 3.5 bbl per day (less than 5 bbl per day per form NTL-2B), we propose to build an unlined disposal pit for disposal of water from the #32-33 Horseshoe Bend Federal.

The following information is attached to this Sundry Notice:

- 1) Gauge sheets showing produced water
- 2) Water analysis report (Uintah Research and Analytical Services)
- 3) Plat showing location and size of pit
- 4) Letter from State of Utah, Division of Water Rights regarding useable water aquifers in the area.
- 5) Evaporation and Annual Rainfall information
- 6) Percolation information

18. I hereby certify that the foregoing is true and correct

SIGNED

*John P. Lockridge*  
John P. Lockridge

TITLE President

DATE 9/27/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



## EVAPORATION AND ANNUAL RAINFALL

### Uintah County, Utah

Evaporation data was collected for the freeze free period, approximately May through September. This data indicated an average total pan evaporation of approximately 37 inches (94 cm) for a location in Southam Canyon. Data did not conclusively define variations of evaporation throughout the tracts. It is apparent that pan evaporation rates at various locations depend on elevation, wind run and other factors.

Average annual precipitation ranges from a high of 10.90 inches (27.69 cm) to a low of 8.36 inches (21.13 cm). Two factors appear to account for these variations: 1) variations in terrain and 2) effects of slow moving, intense, isolated thunderstorms.



STATE OF UTAH  
NATURAL RESOURCES  
Water Rights

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Robert L. Morgan, State Engineer

Eastern Area • State/County Building • 152 E. 100 North • Vernal, UT 84078-2110 • 801-789-3714

September 23, 1985

RECEIVED SEP 26 1985

JPC

Mr. John P. Lockridge  
1444 Wazee Street  
Suite 218  
Denver, Colorado 80202

Dear Mr. Lockridge:

This letter is in answer to your inquiry of this date concerning usable water aquifers located within a one mile radius of a proposed well located in Section 33, T6S, R22E, SLB&M.

A search of our records found no recorded water rights in Section 33, nor in the sections adjacent to Section 33. The U.S. Geological Survey has no monitor wells located in the area.

It appears that our office has no information concerning water rights or quality of the water aquifers in and around Section 33, T6S, R22E, SLB&M.

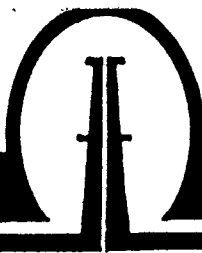
If you have any questions on the above matter, please feel free to contact our office.

Yours truly,

*Ted Baldwin*

Ted Baldwin  
Water Rights Specialist  
Eastern Area Office

tb



# Hinta Research and Analytical Services

## 291 E. 200 N. - ROOSEVELT, UTAH 84066

James F. Smith

### WATER ANALYSIS REPORT

(801) 722-2532

COMPANY John P. Locjridge ADDRESS Denver, Colo. DATE 8-13-85  
SOURCE Fed.32-33 Horseshoe Bend. DATE SAMPLED 8-13-85 ANALYSIS NO. W-762

- Analyse**
1. PH 9.36
  2. H<sub>2</sub>S (Qualitative) Neg
  3. Specific Gravity 1.005
  4. Dissolved Solids 5980.77
  5. Phenolphthalein Alkalinity (CaCO<sub>3</sub>) 45
  6. Menthyl Orange Alkalinity (CaCO<sub>3</sub>) 838
  7. Bicarbonate (HCO<sub>3</sub>) 511
  8. Chlorides (Cl) 3199
  9. Sulfates (SO<sub>4</sub>) 10
  10. Calcium (Ca) 4
  12. Magnesium (Mg) 6
  12. Total Hardness (CaCO<sub>3</sub>) 30
  13. Total Iron (Fe) .70
  14. Carbon Dioxide (CO<sub>2</sub>) .36
  15. Specific Conductivity umHos 6700
  16. Resistivity .89 @ 84°F.

Mg/L  
or  
ppm

\*Meq/L

RECEIVED AUG 19 1985

HCO <sub>3</sub>	511	÷ 61	8.38	HCO <sub>3</sub>
Cl	3199	÷ 35.5	90.11	Cl
SO <sub>4</sub>	10	÷ 48	.21	SO <sub>4</sub>
Ca	4	÷ 20	.20	Ca
Mg	6	÷ 12.2	.49	Mg

\*Milli equivalents per liter

### Probable Mineral Composition

* .20	Ca	←	HCO <sub>3</sub>	* 8.38
.49	Mg	→	SO <sub>4</sub>	.21
98.01	Na	→	Cl	90.11

Saturation Values Distilled Water 20°C  
Ca CO<sub>3</sub> 13 Mg/L  
CA SO<sub>4</sub>·2H<sub>2</sub>O 2,090 Mg/L  
Mg CO<sub>3</sub> 103 Mg/L

Remarks: \_\_\_\_\_

Compound	Equiv. Wt. X	Meq/L	=	Mg/L
Ca (HCO <sub>3</sub> )	81.04	.20		16.21
Ca SO <sub>4</sub>	68.07	0		0
Ca Cl <sub>2</sub>	55.50	0		0
Mg (HCO <sub>3</sub> )	73.17	.49		35.85
Mg SO <sub>4</sub>	60.19	0		0
Mg Cl <sub>2</sub>	47.62	0		0
Na HCO <sub>3</sub>	84.00	7.69		645.96
Na <sub>2</sub> SO <sub>4</sub>	71.03	.21		14.92
Na Cl	58.46	90.11		5267.83

Thank you for the business:

Subject

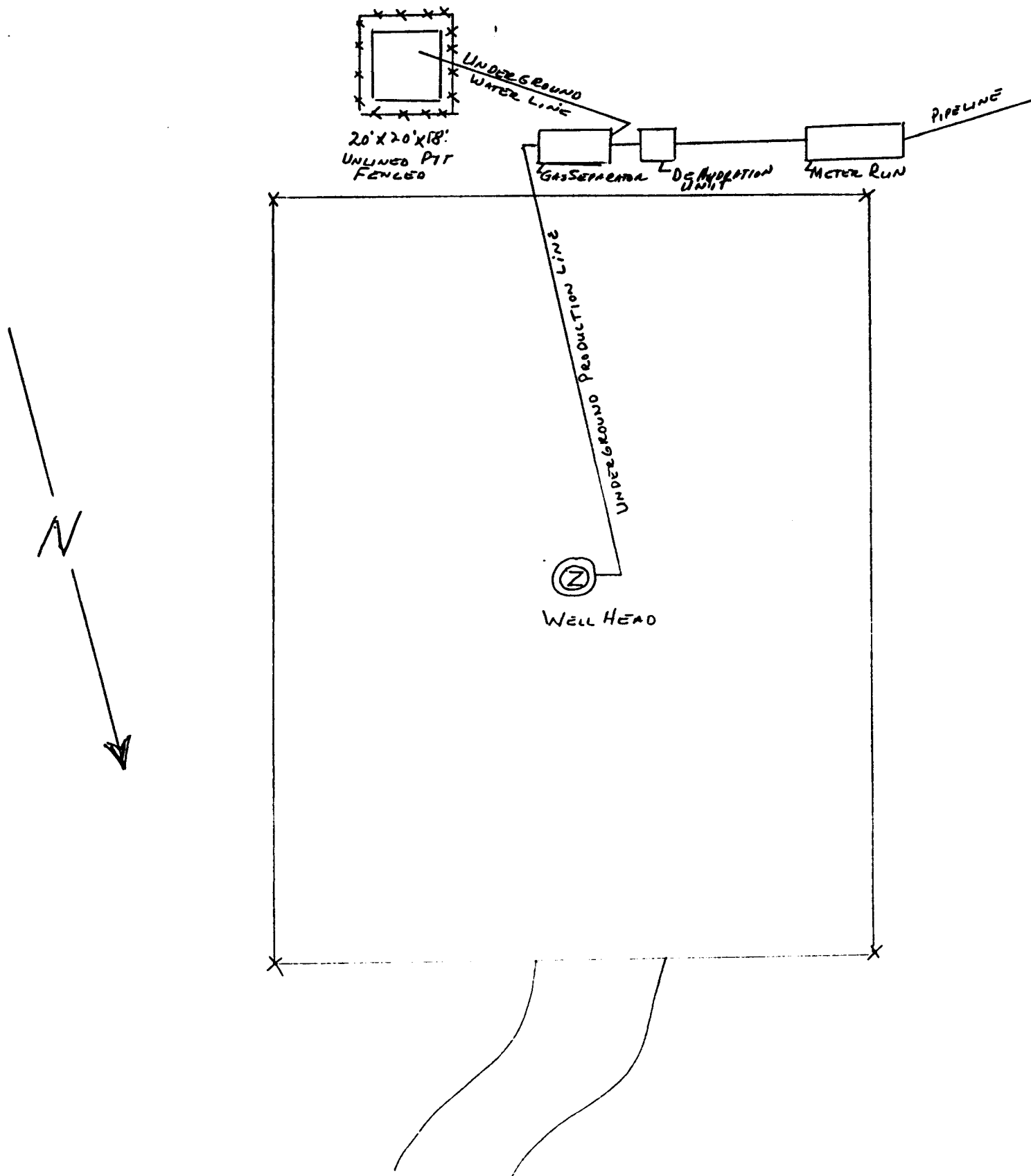
JOHN P LOCKERIDGE OPERATOR, INC  
# 32-33 HORSESHOE BEND FEDERAL  
SWNE SEC 33 T-6S R-22E UTAH COUNTY UTAH

Date

Sheet

of

By



JPC  
LRY  
Prod File

(303) 628-9371

REMARKS Jan 13, geyser pump not working Dump line froze

JOHN F. FLORENCE  
PETROLEUM GEOLOGIST  
1444 WAZEE STREET, SUITE 218  
DENVER, COLORADO 80202  
(303) 628-9371

RECEIVED JAN 28 1985

GAS GAUGE SHEET

LEASE U 44 210 WELL # \_\_\_\_\_ DATE JAN. 14 - 20

Date	Tank Gauge	Bbl. Wtr.	Bbl. Oil	Wellhead Choke	Heater Choke	Pressure		Temp.	Orifice Size	Diff. Press.	Static Press.	Rate MCFPD
						Tbg.	Csg.					
14		3		15		700	800	76	.625	7.0	5.8	222
15		4		15		500	575	86	.625	7.0	6.0	230
16		1		15		900	880	136	.625	6.0	7.6	166
17		1		15		760	940	140	.625	0	7.2	0
18		0		15		365	440	72	.750	6.8	5.5	173
19		2		24		350	400	80	.750	6.0	5.8	366
20		1		24		350	400	80	.750	6.0	5.7	360

TOTAL \_\_\_\_\_

1517

AVERAGE \_\_\_\_\_

REMARKS 16<sup>th</sup> line froze off, 18<sup>th</sup> water meter broke full of sand

RECEIVED FEB 07 1985

*He  
Lani -  
Plot  
show to me  
Mail to partners*

# JOHN P. LOCKRIDGE

PETROLEUM GEOLOGIST

1444 WAZEE STREET, SUITE 218

DENVER, COLORADO 80202

(303) 628-9371

## GAS GAUGE SHEET

LEASE	Lockridge		44910		WELL #								DATE	Jan 21-27	
Date	Hours Pump on Gauge	Bbl. Wtr.	Bbl. Oil	Wellhead Choke	Heater Choke	Pressure Tbg.	Csg.	Temp.	Orifice Size	Diff. Press.	Static Press.	Rate MCFPD			
21	24	1			24	330	400	74	.750	5.8	5.7	348			
22	24	2			24	336	400	70	.750	5.7	5.6	336			
23	24	2			24	325	400	70	.750	6.0	5.5	347			
24	24	2			24	325	400	70	.750	5.7	5.4	324			
25	24	1			24	310	400	70	.750	5.6	5.4	318	318		
26	24	0			24	330	440	70	.750	5.1	5.6	300			
27	24	2			24	350	450	70	.750	4.0	5.5	231			

TOTAL \_\_\_\_\_

AVERAGE \_\_\_\_\_

REMARKS 21<sup>st</sup> gherol pump down

2204

RECEIVED FEB 07 1985

# JOHN P. LOCKRIDGE

PETROLEUM GEOLOGIST

1444 WAZEE STREET, SUITE 218

DENVER, COLORADO 80202

(303) 628-9371

## GAS GAUGE SHEET

LEASE	Lockridge				WELL #	DATE Jan-Feb.						
Date	Hours on Tank Gauge	Bbl. Wtr.	Bbl. Oil	Wellhead Choke	Heater Choke	Pressure Tbg.	Csg.	Temp.	Orifice Size	Diff. Press.	Static Press.	Rate MCFPD
28	24	3			24	325	450	66	.750	4.8	5.6	283
29	24	2			24	325	450	80	.750	4.8	5.6	283
30	24	2			24	325	450	76	.750	5.0	5.5	289
31	24	1			24	300	450	20	.750	5.2	5.4	295
1	4	1			24	300	450	20	.750	4.8	5.2	44
2	8	1			24	300	450	20	.750	4.5	5.5	87
3	12	1			24	300	450	75	.750	5.3	5.0	139

TOTAL

AVERAGE

REMARKS 28<sup>th</sup> glycol pump down, 29<sup>th</sup> water meter not working, water dump leaking through oil dump not working, 30<sup>th</sup> Hi low Froze, glycol pump down, 31<sup>st</sup> Separator fire out glycol pump down Froze up carried over, 1<sup>st</sup> Separator fire out line frozen. 2<sup>nd</sup> Separator fire out, line Froze, glycol pump down. 3<sup>rd</sup> meter Hi low Froze



**JOHN LOCKRIDGE OPERATIONS INC.**  
 1444 WAZEE STREET, SUITE 218  
 DENVER, COLORADO 80202  
 (303) 628-9371

RECEIVED FEB 22 1985

GAS GAUGE SHEET

LEASE	Lockridge				WELL #				DATE	Feb 1985		
Date	Hours on Tank Gauge	Bbl. Wtr.	Bbl. Oil	Wellhead Choke	Heater Choke	Pressure Tbg.	Csg.	Temp.	Orifice Size	Diff. Press.	Static Press.	Rate MCFPD
4	24	2		24		425	550	80	.750	4.0	5.3	223
5	24	1		24		450	550	80	.750	4.0	5.3	223
6	24			24		325	450	100	.750	5.0	5.4	213
7	24			24		275	320	100	.750	4.5	5.1	241
8	24			24		300	450	96	.750	4.6	5.4	261
9	24			24		325	500	96	.750	4.3	5.5	249
10	24			24		325	450	100	.750	4.4	5.5	255

TOTAL \_\_\_\_\_

AVERAGE \_\_\_\_\_

REMARKS after 5th no more water meter

PERMEABILITY (IN./HR)

Soil	Slope Range %	Depth to Bedrock (cm)	Texture Class	Unified Class.	AASHTO Class.	Liquid Limit	Plastic Limit	Permeability (in./hr)	Water Capacity Available (in./in.)	pH	Electrical Conductivity (mmhos/cm)	Shrink Swell Potential	Hydrologic Soil Groups
W	0 to 2	150+	Silt loams to silty clay loams - some sands	CL SM	A-4 A-6	20-47	2-16	0.80-2.0	0.16-0.18	8.0-8.3	1.5-28.0	Moderate	B (moderately low runoff potential)

(November 1983)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Other instructions  
verse side)

EXPIRES AUGUST 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR  
John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR  
1444 Wazee Street, Suite 218, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
SW NE Section 33-T6S-R22E

14. PERMIT NO.  
43-047-31526 UTAH

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5096' Gr., 5108' KB

5. LEASE DESIGNATION AND SERIAL NO.  
U-44210

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-----

7. UNIT AGREEMENT NAME  
-----

8. FARM OR LEASE NAME  
Horseshoe Bend Federal

9. WELL NO.  
#32-33

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 33-T6S-R22E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) Test for water & recomple ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Propose to test individually each set of perforations to determine source of water intrusion, and to restore well to production.

Work scheduled for Saturday, December 21, 1985. Work to be done by Western Oil Well Service.

Verbal permission given by Allen McKee of the BLM at 0945 hours, 12/19/85

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 12/30/85  
BY: John R. Dyer

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-44210

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

-----

7. UNIT AGREEMENT NAME

-----

8. FARM OR LEASE NAME

Horseshoe Bend Federal

9. WELL NO.

#32-33

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11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Section 33-T6S-R22E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR

1444 Wazee Street, Suite 218, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

SW NE Section 33-T6S-R22E

14. PERMIT NO.

43-047-31526

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

5096' Gr., 5108' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Production recommenced

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

X

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Notice of Production Being Recommenced

Production Recommenced on 12/23/85 at rate TSTM after reworking well. Production has increased to approximately 45 MCFPG.

Gas sold to Utah Gas Service Company

18. I hereby certify that the foregoing is true and correct

SIGNED

*John P. Lockridge*  
John P. Lockridge

TITLE

President

DATE

1/28/86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions on  
reverse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-44210

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Horseshoe Bend Federal

9. WELL NO.

#32-33

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Section 33-T6S-R22E

12. COUNTY OR PARISH

Utah

13. STATE

Utah

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR

1444 Wazee Street, Suite 218, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface

SW NE Section 33-T6S-R22E

14. PERMIT NO.

43-047-31526

15. ELEVATIONS (Show whether DF, NT, OR, etc.)

5096' Gr., 5108' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Testing for water source

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Testing of individual perforations commenced 12/21/85. Well history Page 3 & 4 attached for details.

Tested perforations 3272-3276: Swabbed 14 bbls water. No indication of communication with other perforated zones. No flow of gas after swab runs.

Tested perforations 3218-3226: Swabbed 12 bbls highly gas cut water. Had communication between perforations at 3218-3226' and 3186-3190'.

Tested perforations 3218-3226 & 3186-3190: Swabbed highly gas cut water at rate of approximately 2 bbls per hour with small gas flows after swab runs. Max flow rate 50-60 MCFPD with 100 psi FTP.

Put on production 12/23/85. Gas TSTM for several days. Has increased to about 45 MCFPD. Retrievable BP at 3246' KB. 2 3/8" tubing at 3178' KB.

18. I hereby certify that the foregoing is true and correct

SIGNED

John P. Lockridge

TITLE

President

DATE

1/29/86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Daily Report  
 #32-33 Horseshoe Bend Federal  
 SW NE Section 33-T6S-R22E  
 Uintah County, Utah  
 Page 3

Report Date	Activity
12/7/84	SIP 675#. Flow nitrogen foam on 8/64" choke increasing slowly to 20/64" choke. Well making foam, very heavy gas cut. Flammable gas to surface at 8:15 AM. FWP went down to 75# when flammable gas hit surface. FWP steadily increased to 275# on 20/64" choke. Well turned to mostly gas at 3:00 PM. Estimated 600-800 MCF/D. Shut well in, shut down for night.
12/8/84	SICP 975 psi at 7:00 am, 12/7/84. Flowed gas and frac water. Well cleaned up about 1:00 pm at estimated rate of 800 - 1000 MCF/D. Killed well and ran 2 3/8" tubing. Tagged sand at 3277'. Shut well down for night.
12/9/84	SITP 250 psi at 7:00 am, 12/8/84. Circulated sand fill from 3278' to 3371'. Landed 2 3/8" tubing at 3178'. Swabbed load. Flowed frac fluid and gas for 4 hours. Shut well down for night.
12/10/84	SITP - 890 psi, SICP-985 psi. Open well thru 24/64" choke, FTP 890 - 150 psi. Making mostly gas with frac water. Put well on 20/64" choke, FTP 200 psi, CP 300 psi. Put well on 18/64" choke, FTP 400 psi, CP 500 psi. Well drying up. Shut well down for night.
12/11/84	SITP 985#, SICP 985#. Flow to pits on 20/64", FTP from 985 to 200 psi, gas with mist of water (consider mist to be frac water). Flow on orifice tester, 18/64" choke, 300 FTP, 3/4" plate, 756 MCF/D. Closed well in, rig up Sun Oil Field Service, go in hole with BHP survey, hung at 3226'. Shut down for night.
12/12/84	SITP 985#, SICP 985#. Pull out of hole with BHP survey. Shut well in. Waiting on test.
1/8/85	FIRST PRODUCTION 2:00 PM, 1/7/85. 279 MCF/D thru a 16/64" choke, at 410# FTP. Two bbl water, foamy, interpreted to be frac water. 360# line pressure.
12/12/85	Well would not flow gas in late November. 0 psi on tubing, approximately 965 psi on casing. Ran wire line (Sun Oil Field Services) on 12/11/85. PBTD 3369'. (okay) Fluid Level at 750' below surface. Well "tried to flow and kick off" as they pulled wireline out of hole. To drop soap sticks on Saturday and flow to pit. Ponderosa to put in temporary flow line. Utah Gas Service to start taking gas Monday, December 16, 1985. Will have Randy Anderson drop soap stick once every two weeks and monitor response.
12/20/85	SITP 0 SICP 780# Move in, Rig up Western Oil Well Service Rig #20 and related equipment. SDFN
12/21/85	SITP 0 SICP 750# Bleed annulus pressure off to pit, fill and circulate well with 3% KCL water at 100°. Nipple down christmas tree, nipple up BOP. Trip out of hole with 101 joints 2 3/8" tubing. Set Mt. States 4½" B2 retrievable bridge plug and 4½" model 32A packer on 2 3/8" tubing. Trip in hole and set retrievable bridge plug at 3300'. Set packer at 3249' to isolate perforated zone 3272-3276'. Rig up and swab. IFL 300'. Swab to seating nipple in 2 runs, recovering 10 bbls water, very slightly gas cut. Make 3 runs, recovering 4 bbls water, <u>very</u> slightly gas cut. No flow of gas after swab runs. Fill tubing with 3% KCL water. Unseat packer, trip in hole to pick up bridge plug. Reset bridge plug at 3246' and packer at 3210' to isolate perforated zone 3218-3226'. Made 3 runs, recovering 12 bbls highly gas cut water. Had communication between zones 3218-3226 and 3186-3190'. Fill tubing with 3% KCL water. Release packer and set at 3147'. Swab 8 runs, recovering 18 bbls very highly gas cut water. Well would flow gas between swab runs. Shut well in, Shut down for night.
12/22/85	SITP 480# SICP 0 Bleed gas pressure from tubing, to 0# in 20 min on 20/64" choke. Go in hole with swab, IFL 1600'. Made 1 run each 30 min. Well would flow good gas between swab runs. Made 15 runs, recovering 23 bbls water, approximately 2 bbls per hr. SITP between swab runs from 115# to 200#. Checked SITP every 3rd run.

Daily Report  
#32-33 Horseshoe Bend Federal  
SW NE Section 33-T6S-22E  
Uintah County, Utah  
Page 4

Report Date	Activity
12/22/85	Hook up well to choke nipple and flow to pit on 10/64" choke. Flow rate after 3 hours 50-60 MCFD with 100# FTP. Flared gas to pit. flare died after 7 hours. Left well open to pit for remainder of night.
12/23/85	FTP 30 SICP 0 Go in hole with swab. FL 2000'. Made 4 runs ( 5 total) recovering 7 bbls heavily gas cut water. (rate of 2 bbls per hour) Fill tubing with 3% KCL water. Release packer. Pull out of hole with tubing and packer. Make up 2 3/8" notched coupling, and seating nipple on 2 3/8" tubing. Trip in hole with 101 joint 2 3/8" tubing. Nipple down BOP, nipple up christmas tree. Bottom tubing at 3178 KB. Start swabbing well to tank, make 14 runs. Recovered 32.5 bbls water. Final fluid level 2700'. SWI and rig down Western Rig #20 and equipment. SDFN.
12/24/85	SITP 750 SICP 750 Open well to pit on 24/64" choke. Flowed for 30 min. Shut well in. Tubing pressure 750# in 5 minutes. Will attempt to put in production this date.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI/  
(Other instructions  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-44210

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

-----

7. UNIT AGREEMENT NAME

-----

8. FARM OR LEASE NAME

Horseshoe Bend Federal

9. WELL NO.

#32-33

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Section 33-T6S-R22E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR

1444 Wazee Street, Suite 218, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

SW NE Section 33-T6S-R22E

14. PERMIT NO.

430X47-31526

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

5096' Gr., 5108' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF


FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PCLL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS


SUBSEQUENT REPORT OF:

WATER SHUT-OFF


FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Production Recommended

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

X

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Notice of Production being Recommended

Production Recommended on 11/22/85 at 3:00 PM. Well flowed 14 MFC and died due to water in casing. Plan to do remedial work.  
Gas sold to Utah Gas Service Company

RECEIVED

FEB - 3 1986

DIVISION OF OIL  
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

John P. Lockridge

TITLE

President

DATE

1/30/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING**RECEIVED**  
APR 26 1990DIVISION OF  
OIL, GAS & MINING3. LEASE DESIGNATION & SERIAL NO.  
U-44210

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		4. FARM OR LEASE NAME Horseshoe Bend Federal	
3. ADDRESS OF OPERATOR 1801 Broadway, Denver, CO 80202		9. WELL NO. 32-33	
6. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SW NE 33- T6S-R22E 2000' FNL & 1444' FEL At proposed prod. cone		10. FIELD AND POOL, OR WILDCAT Horseshoe Bend	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 33-T6S-R22E	
14. API NO. 43-047-31526	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5096' GL, 5108' KB	12. COUNTY Uintah	13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

APPROX. DATE WORK WILL START \_\_\_\_\_

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Shut-in gas well</u> <input type="checkbox"/>	
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

DATE OF COMPLETION \_\_\_\_\_

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual notice of shut-in gas well

\* Must be accompanied by a cement verification report.

OIL AND GAS	
DRN	RT
JRB	GLH
DTG	SLS
1. TAS	
2. MICROFILM <input checked="" type="checkbox"/>	
3. FILE	

18. I hereby certify that the foregoing is true and correct.

SIGNED John P. Lockridge TITLE PresidentDATE 4/22/90

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MININGRECEIVED  
JUN 15 1990LEASE DESIGNATION & SERIAL NO.  
U-44210SUNDRY NOTICES AND REPORTS ON WELLS  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		8. FARM OR LEASE NAME Horseshoe Bend Federal	
3. ADDRESS OF OPERATOR 1801 Broadway, Denver, CO 80202		9. WELL NO. 32-33	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SW NE 33- T6S-R22E 2000' FNL & 1444' FEL At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT Horseshoe Bend	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 33-T6S-R22E	
14. API NO. 43-047-31526	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5096' GL, 5108' KB	12. COUNTY Uintah	13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

APPROX. DATE WORK WILL START \_\_\_\_\_

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Shut-in gas well</u> <input type="checkbox"/>	
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

DATE OF COMPLETION \_\_\_\_\_

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual notice of shut-in gas well

\* Must be accompanied by a cement verification report.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-DMA ✓	
2-MICROFILM ✓	
2-FILE ✓	

18. I hereby certify that the foregoing is true and correct.

SIGNED

*John P. Lockridge*

TITLE

President

DATE

6/13/90

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MININGRECEIVED  
JAN 14 19913. LEASE DESIGNATION & SERIAL NO.  
U-44210SUNDRY NOTICES AND REPORTS ON WELLS  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

5. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Horseshoe Bend Federal

9. WELL NO.

32-33

10. FIELD AND POOL, OR WILDCAT

Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

33-T6S-R22E

14. API NO.

43-047-31526

15. ELEVATIONS (Show whether OF, RT, GR, etc.)

5096' GL, 5108' KB

12. COUNTY

Uintah

13. STATE

Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON

REPAIR WELL

CHANGE PLANS

(Other)

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other) Shut-in gas well(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual notice of shut-in gas well

\* Must be accompanied by a cement verification report.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

President

DATE

1/9/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.  
U-44210

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

6. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME

8. NAME OF OPERATOR John P. Lockridge Operator, Inc.

9. FARM OR LEASE NAME  
Horseshoe Bend Federal

10. ADDRESS OF OPERATOR 1801 Broadway, Denver, CO 80202

11. WELL NO.  
32-33

12. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface SW NE 33- T6S-R22E 2000' FNL & 1444' FEL  
At proposed prod. zone

13. FIELD AND POOL, OR WILDCAT  
Horseshoe Bend

14. SEC., T., R., M. OR BLK. AND  
SURVEY OR AREA  
33-T6S-R22E

15. API NO.  
43-047-31526

16. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5096' GL, 5108' KB

17. COUNTY  
Uintah

18. STATE  
Utah

19. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FULL OR ALTER CASING ☐

FRACTURE TREAT ☐

MULTIPLE COMPLETE ☐

SHOOT OR ACIDIZE ☐

ABANDON ☐

REPAIR WELL ☐

CHANGE PLANS ☐

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

REPAIRING WELL ☐

FRACTURE TREATMENT ☐

ALTERING CASING ☐

SHOOTING OR ACIDIZING ☐

ABANDONMENT\* ☐

(Other) Shut-in gas well

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START

DATE OF COMPLETION

20. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual notice of shut-in gas well

\* Must be accompanied by a cement verification report.

RECEIVED

FEB 03 1992

DIVISION OF  
OIL GAS & MINING

21. I hereby certify that the foregoing is true and correct.

SIGNED

*John P. Lockridge*

President

DATE

01/29/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

# RECEIVED

JAN 05 1993

FORM 9

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

DIVISION OF  
OIL GAS & MINING

LEASE DESIGNATION & SERIAL NO.  
U-44210

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. IF INDIAN, ALLOTTEE OR TRIBE NAME	
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		8. FARM OR LEASE NAME Horseshoe Bend Federal	
3. ADDRESS OF OPERATOR 1801 Broadway, Denver, CO 80202		9. WELL NO. 32-33	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SW NE 33- T6S-R22E 2000' FNL & 1444' FEL At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT Horseshoe Bend	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 33-T6S-R22E	
14. API NO. 43-047-31526	15. ELEVATIONS (Show whether DF, RT, CR, etc.) 5096' GL, 5108' KB	12. COUNTY Uintah	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Shut-in gas well</u> <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual notice of shut-in gas well

\* Must be accompanied by a cement verification report.

18. I hereby certify that the foregoing is true and correct.

SIGNED John P. Lockridge TITLE President DATE 01/02/93

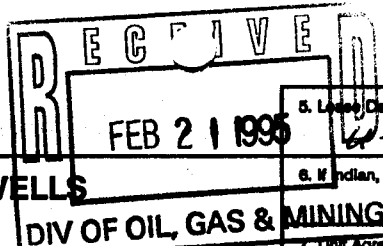
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

John P. Lockridge Operator, Inc.

3. Address and Telephone Number:

303-296-1500 1801 Broadway Suite 1250, Denver, CO 80202

4. Location of Well

Footages: 2,000' FNL & 1444' FEL

QQ, Sec., T., R., M.:

SW NE 33 - T6S - R22E

5090' GL, 5108' KB

County: Uintah

State: Utah

5. Lease Designation and Serial Number:

61-44210

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Horseshoe Bend Federal 32-33

9. API Well Number:

43-047-31526

10. Field and Pool, or Wildcat:

Horseshoe Bend

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandonment *                            | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                            | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                          | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection                  | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat                           | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Shut-in gas well</u> |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual Status Report - Shut-in gas well

13.

Name & Signature:

John P. Lockridge

Title:

President

Date:

2/15/95

(This space for State use only)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

FEB 12 1996

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION & SERIAL NO. <b>U-44210</b>	
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>John P. Lockridge Operator, Inc.</b>		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR <b>1801 Broadway, Denver, CO 80202</b>		8. FARM OR LEASE NAME <b>Horseshoe Bend Federal</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>SW NE 33- T6S-R22E 2000' FNL &amp; 1444' FEL</b> At proposed prod. cone		9. WELL NO. <b>32-33</b>	
10. FIELD AND POOL, OR WILDCAT <b>Horseshoe Bend</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>33-T6S-R22E</b>	
14. API NO. <b>43-047-31526</b>	15. ELEVATIONS (Show whether OF, RT, GR, etc.) <b>5096' GL, 5108' KB</b>	12. COUNTY <b>Uintah</b>	13. STATE <b>Utah</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <u>Shut-in gas well</u>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/>

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START \_\_\_\_\_ DATE OF COMPLETION \_\_\_\_\_

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual notice of shut-in gas well

\* Must be accompanied by a cement verification report.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

President

DATE

02/08/96

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

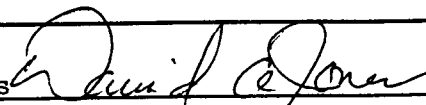
See Instructions On Reverse Side

<div style="display: flex; justify-content: space-between;"> <div style="text-align: left;"> <h1 style="margin: 0;">RECEIVED</h1> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;">APR 15 1998</div> <p style="margin: 0;">DIV. OF OIL, GAS &amp; MINING</p> </div> <div style="text-align: right;"> <p style="margin: 0;">STATE OF UTAH</p> <p style="margin: 0;">DIVISION OIL, GAS AND MINING</p> </div> </div>		<p>5. Lease Designation and Serial Number: U-44210</p>
<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p style="font-size: small;">Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.</p>		<p>6. If Indian, Alotsee or Tribe Name:</p> <p>7. Unit Agreement Name:</p>
<p>1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:</p>		<p>8. Well Name and Number: Horseshow Bend Fed 32-33</p>
<p>2. Name of Operator: John P. Lockridge Operator, Inc.</p>		<p>9. API Well Number: 4304731526</p>
<p>3. Address and Telephone Number: 1801 Broadway, Denver, CO 80202</p>		<p>10. Field and Pool, or Wildcat: Horseshoe Bend</p>
<p>4. Location of Well</p> <p>Footages: 2000' FNL &amp; 1444' FEL</p> <p>QQ, Sec., T., R., M.: SW NE 33-T6S-R22E</p>		<p>County: Uintah</p> <p>State: Utah</p>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
<p style="text-align: center;"><b>NOTICE OF INTENT</b> (Submit in Duplicate)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandon</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Repair Casing</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recomplete</td> </tr> <tr> <td><input type="checkbox"/> Convert to Injection</td> <td><input type="checkbox"/> Reperforate</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat or Acidize</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other _____</td> </tr> </table> <p>Approximate date work will start _____</p>	<input type="checkbox"/> Abandon	<input type="checkbox"/> New Construction	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Reperforate	<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<p style="text-align: center;"><b>SUBSEQUENT REPORT</b> (Submit Original Form Only)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandon</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Repair Casing</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Reperforate</td> </tr> <tr> <td><input type="checkbox"/> Convert to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat or Acidize</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Other <u>Shut in gas well</u></td> </tr> </table> <p>Date of work completion _____</p> <p style="font-size: x-small;">Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.</p> <p style="font-size: x-small;">* Must be accompanied by a cement verification report.</p>	<input type="checkbox"/> Abandon	<input type="checkbox"/> New Construction	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Reperforate	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Shut in gas well</u>	
<input type="checkbox"/> Abandon	<input type="checkbox"/> New Construction																										
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<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Reperforate																										
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<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Vent or Flare																										
<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Water Shut-Off																										
<input checked="" type="checkbox"/> Other <u>Shut in gas well</u>																											

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual notice of shut-in gas well

13. Name & Signature: David A. Jones  Title: Vice President Date: 10 April 1998

(This space for State use only)



RECEIVED

RECEIVED

APR 07 1999

FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

APR 7 1999

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
U-442106. If Indian, Allottee or Tribe Name  
---7. If Unit or CA/Agreement, Name and/or No.  
---

8. Well Name and No.

Horsehoe Bend Federal 32-33

9. API Well No.

4342-047-31526

10. Field and Pool, or Exploratory Area  
---

11. County or Parish, State

Utah

## SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

John P. Lockridge Operator, Inc.

3a. Address 1801 Broadway, Suite 1250  
Denver, CO 802023b. Phone No. (include area code)  
303-296-1500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW NE Sec. 32-T6S-R22E

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

This Uintah gas well was drilled and completed in late 1984. The operator proposes to plug and abandon it according to the procedure outlined below. Well was drilled to 3,556' with rotary tools. 8-5/8" surface casing was set at 227' and cemented to surface. 4-1/2" production casing was set at 3405' and the CBL shows 100% bond from that depth to 2,430'. PBTD=3,370'. Well was perforated from 3,186'-3,190', 3,218'-3,226' and 3,272'-3,276 w/ 2 jspfs. A bridge plug was set at 3,246' in 1985. The bottom set of perfs is below this bridge plug.

1) MIRU workover rig.

2) Circulate well down casing and up tubing. ND Xmas tree. NU 6" X 3,000# BOPE.

3) RIH w/ 2-3/8" tbg to 3,240' &amp; spot 12 sx Class A cement to leave balanced plug top @ 3,088'

4) Pull tbg above cement plug &amp; WOC. Tag top of cement.

5) Pull tubing to 277' and balance a 4 sx cement plug from 227'-277'.

6) Pull all tbg out of hole and WOC.

SEE CONTINUATION ON NEXT PAGE.

COPY SENT TO OPERATOR  
Date: 6-1-99  
Initials: CHD

## CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Signature Marc T. Eckels

Title

Consultant to Operator

Date

April 7, 1999

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
Date: 4-28-99  
RJK

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Wayne P. Bonhart

Title

Petroleum Engineer

Date

BY: APR 09 1999

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse) OPERATOR

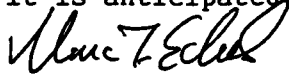
PAGE 2

SUNDRY NOTICE

John P. Lockridge Operator  
Horseshoe Bend Federal 32-3

- 7) RIH with wireline perforating gun. Tag TOC at 227'. Perforate 4-1/2 casing with 2 jspf from 218'-220'.
- 8) Circulate down casing and up 4-1/2" X 8-5/8" annulus.
- 9) Pump 65 sx Class A cement down casing and up annulus to leave both full of cement.
- 10) ND BOPE. Cut off casing and install abandoned well marker.
- 11) Remove surface equipment, reclaim and seed location and lease road.

It is anticipated that work will commence upon approval by the BLM.

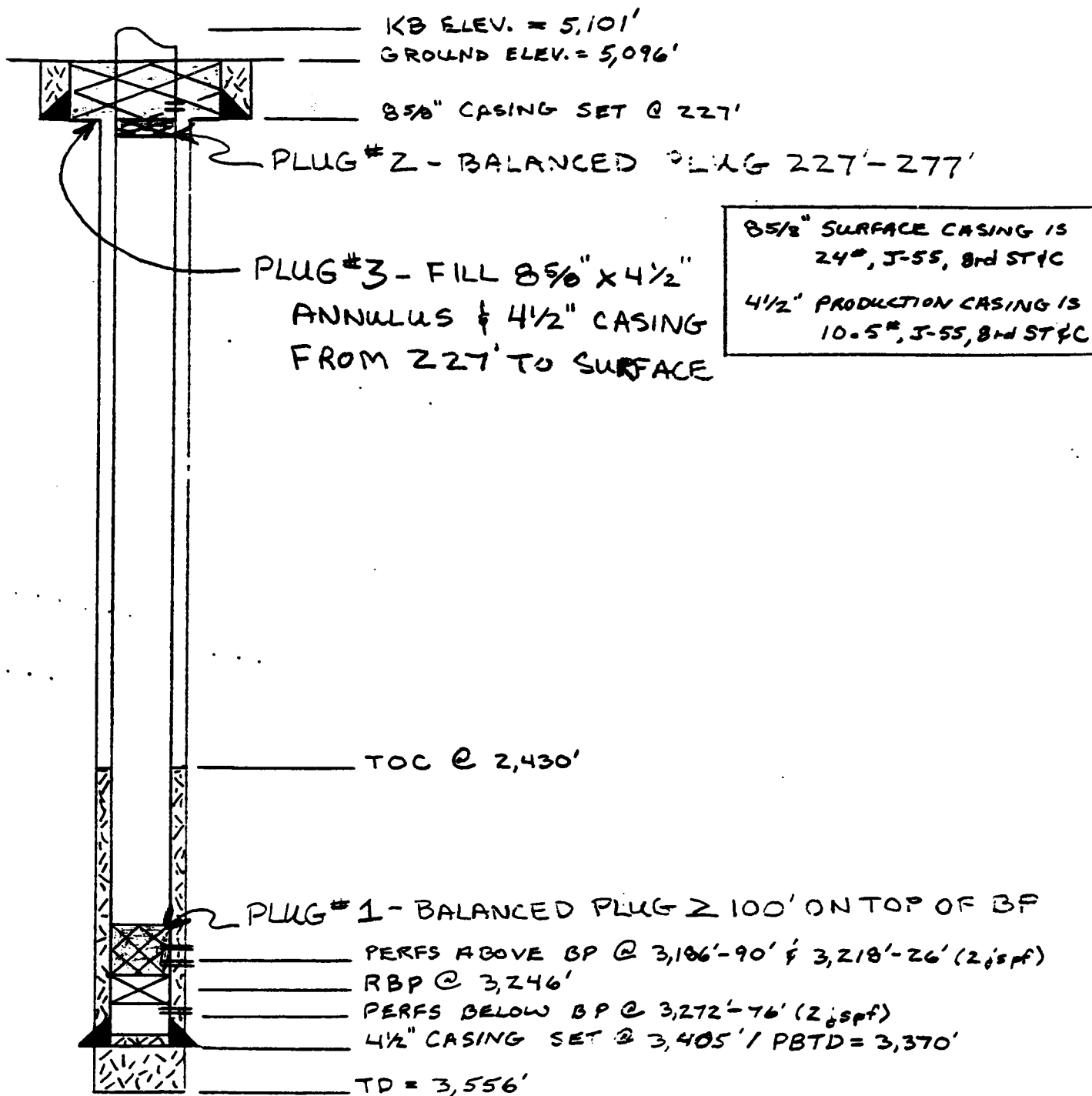


Marc T. Eckels  
435-722-2546 (office)  
435-722-8200 (cell)  
435-722-5089 (fax)  
435-722-3714 (home)

SCHEMATIC DIAGRAM

JOHN P. LOCKRIDGE  
OPERATOR, INC.

HORSESHOE BEND FEDERAL 32-33  
SW NE SEC. 33-T6S-R22E  
LINCOLN COUNTY, UTAH



By MTE

Well: Horseshoe Bend 32-33  
Lease UT-44210  
Uintah County, Utah

**DOWNHOLE REQUIREMENTS**  
**CONDITIONS OF APPROVAL**

We have reviewed your proposal for technical adequacy and concur with the downhole portion providing the following stipulations are included in the procedure.

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1. Prior to perforating any casing string, adequate BOPs, lubricators, and controls will be installed and function tested.
2. If paraffin or scale deposits are detected while pulling the tubing or any other production equipment out of the wellbore, hot water treatments and/or scraper runs will be conducted before placing any cement plugs.
3. All cement used for plugs shall meet the minimum physical requirements specified in API Specification 10 unless prior approval is obtained from the authorized officer.
- 4.. To isolate the Uina/Duchesne River Formation contact identified at 1315' set a 200' cement plug from 1215' - 1415'. This plug will need to include the 4 1/2" x 6 3/4" annulus as well as the casing.
5. Combine the two plugs at the surface shoe into one by perforating at 277' and circulating cement down through the casing and up the annulus to the surface.
6. It will be left to the discretion of the BLM representative on location while plugging as to whether or not any of the plugs will need to be tagged.
- 7.. Notify this office at least 24 hours prior to commencing plugging operations.

## **CONDITIONS OF APPROVAL FOR WELL ABANDONMENT**

Company: John P. Lockridge Inc.

Location SWNE Sec 33 T06S R22E

Well No.: Horseshoe Bend 32-33

Lease No. UT-44210

### **A COPY OF THESE CONDITIONS SHOULD BE GIVEN TO YOUR FIELD REPRESENTATIVE TO ENSURE COMPLIANCE**

1. This office will be notified sufficiently in advance of actual plugging work so that a representative may have an opportunity to witness the operation. Notify this office at least 24 hours in advance of rigging up.
2. Upon completion of the approved plugging program, a dry hole marker shall be installed in accordance with 43 CFR 3162.6(b) and clean up the site. The marker shall be a flat plate not less than 1/4 inch in thickness and large enough to contain all of the information identified below and shall be buried a minimum of three (3) feet below recontoured surface level. A weep hole shall be left if a plate is welded into place. Pits must be fenced unless approved otherwise by the authorized officer.
3. The following minimum information will be permanently and legibly placed on the marker with a plate, cap or welded bead:
  - A. Name of the operator.
  - B. Lease serial number.
  - C. Well number.
  - D. Surveyed description of the well; section, township and range and either footages or quarter-quarter section.
4. Within 30 days after well bore plugging operations have been completed, Form 3160-5 (formerly Form 9-331), Subsequent Report of Abandonment, will be submitted to this office. The report must show the location of all plugs or any mechanical setting device, quantity and type of cement and additives in each plug, amount of casing or any tubulars left in the hole, methods used to test plugs and test results, and the status of the surface restoration. If a temporary delay in the removal of equipment or surface cleanup is deemed necessary, so justify in your report. This abandonment report will be approved by this office with surface stipulations. Liability for the well shall not be released until the surface management agency approves the actual site rehabilitation.

5. If not previously filed, submit in duplicate, Form 3160-4 (formerly Form 9-330), Well completion or Recompletion Report and Log, well history, electric logs, any other surveys, and, if taken, core analysis. This completion report must be filed within 30 days after the culmination of downhole plugging operations.

6. The Bureau of Land Management District Office address is:

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078

(801) 781-4400

7. For downhole concerns or approvals contact:

Wayne Bankert  
Petroleum Engineer  
Work: (435) 781-4486  
Home: (435) 789-4170

Ed Forsman  
Petroleum Engineer  
Work: (435) 781-4490  
Home: (435) 789-7077

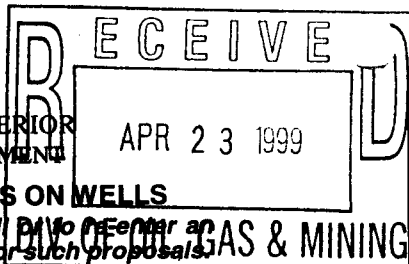
8. For surface concerns contact:

Byron Tolman  
Natural Resource Protection Specialist  
Work: (435) 781-4482  
Home: (435) 789-6144

Stan Olmstead  
Natural Resource Protection Specialist  
Work: (435) 781-4468  
Home: (435) 789-4938

Greg Darlington  
Natural Resource Protection Specialist  
Work: (435) 781-4476  
Home: (435) 789-6441

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new or re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U-44210
2. Name of Operator John P. Lockridge Operator, Inc.		6. If Indian, Allottee or Tribe Name ---
3a. Address 1801 Broadway, Suite 1250 Denver, CO 80202	3b. Phone No. (include area code) 303-296-1500	7. If Unit or CA/Agreement, Name and/or No. ---
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SW NE Sec. 33-T6S-R22E		8. Well Name and No. Horseshoe Bend Federal 32-33
		9. API Well No. 4342-047-31526
		10. Field and Pool, or Exploratory Area ---
		11. County or Parish, State Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On April 15 & 16, 1999, the above-referenced well was plugged with three cement plugs:

- 1) 12 sx Class G balanced on top of bridge plug at 3,246'. Tagged hard cement at 3,176' with wireline tools.
- 2) 50 sx Class G balanced in 4-1/2" casing at 1,422' with 6 perfs between 1,412-14'. Tagged cement next morning with tubing at 979', putting estimated top of cement in 6-3/4" annulus 1,274'. This plug is designed to protect the Duchesne River/Utah formation contact at 1,315', which it covered both inside and outside the casing.
- 3) 120 sx Class G cement circulated down 4-1/2" casing, through 6 perforations between 275-77', up the 4-1/2" X 6-3/4" annulus to 227', and up the 4-1/2" X 8-5/8" annulus from 227' to the surface with good returns at the surface. The cement in the 4-1/2" casing was topped three times. On April 19, 1999 the top of cement in both the casing and annulus was found within 3' of the final cut-off depth of the casings.

On April 19, 1999, the production and surface casing were cut off 4' below grade, depth to

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Marc T. Eckels

Signature

Title

Consultant to Operator

COPY SENT TO OPERATOR

Date: 6-1-99

Date

April 22, 1999

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Approved by

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Date: 4-28-99

By:

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cement was measured with a tape measure, and a 10" X 12" steel plate with operator and well data applied by welding bead was welded on top of the 8-5/8" casing. The four deadman anchors were dug up with a backhoe and cut off at the top of the cement in which they were anchored (at least 3' below final grade). The placement and tagging of each of the cement plugs, the cut-off and capping of the casing at the surface, and the removal of the deadman anchors was witnessed and approved by BLM Petroleum Engineering Technician Bill Owens.

All equipment and refuse was loaded onto a flatbed truck and hauled to storage. The emergency pit was backfilled and the location recontoured to near original conditions. The location was left clean and ready for seeding.

On April 21, 1999, Greg Darlington, BLM Natural Resource Protection Specialist, inspected the location and concurred that the recontouring was properly done and that the location was ready for seeding. The seed mix specified by the BLM has been ordered and will be broadcast and dragged in to the location and the lease road upon receipt.



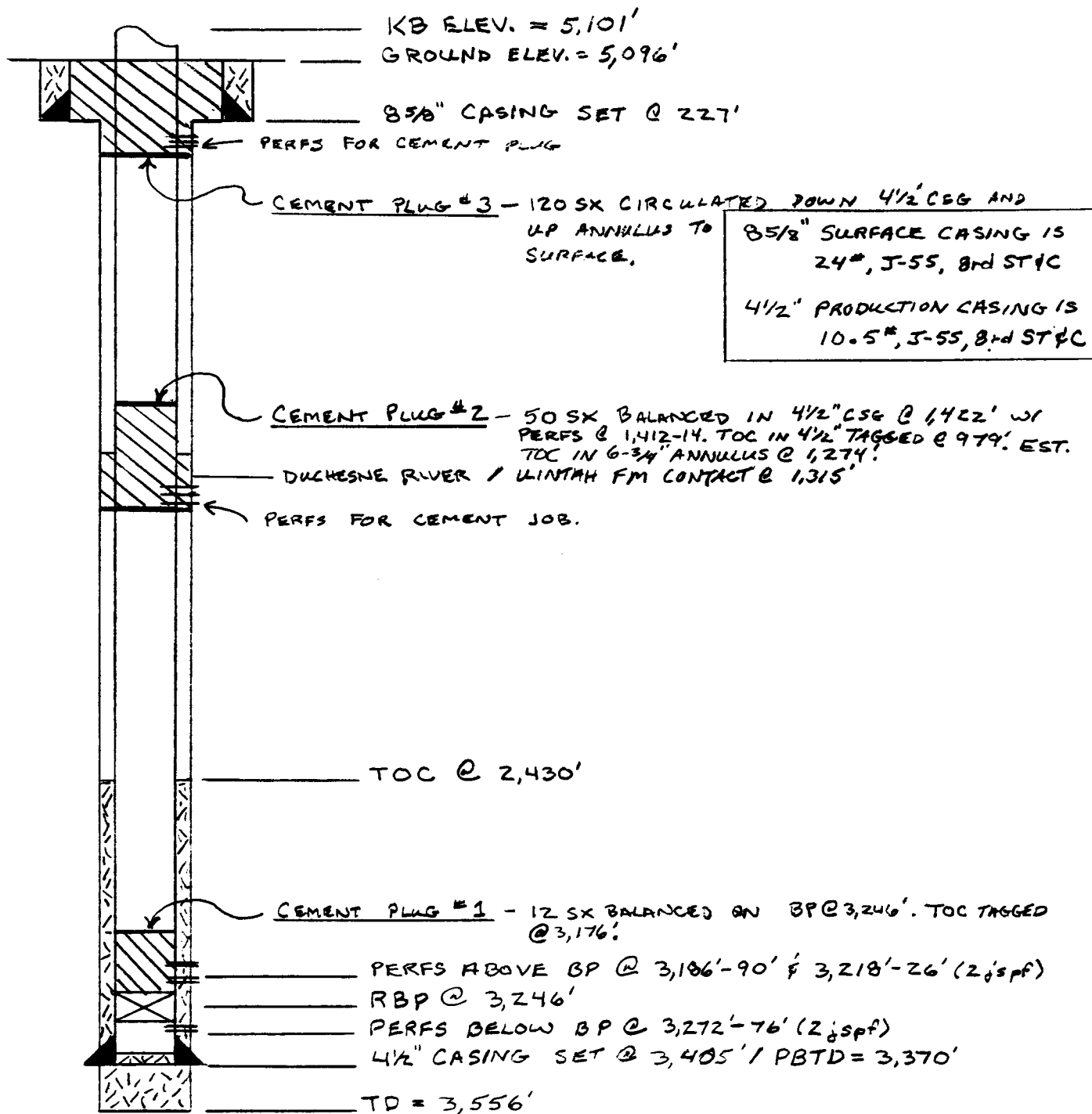
SCHEMATIC DIAGRAM

4-22-99

ACTUAL PLUGS

JOHN P. LOCKRIDGE  
OPERATOR, INC.

HORSESHOE BEND FEDERAL 32-33  
SW NE SEC. 33-T6S-R22E  
LINTEH COUNTY, UTAH



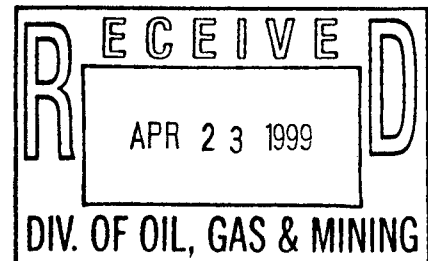
By MTE

**MARC T. ECKELS  
ADS OPERATING, INC.  
ROUTE 3 BOX 3050  
ROOSEVELT, UTAH 84066  
435-722-2546 (office) / 435-722-5089(fax)  
435-722-8200 (mobile) / 435-722-3714 (home)  
e-mail: mte@ubtanet.com**

April 22, 1999

John Baza, Associate Director  
Utah Division of Oil, Gas & Mining  
P. O. Box 145801  
Salt Lake City, UT 84114-5801

Re: Plugging & Abandonment of  
John P. Lockridge Operator, Inc.  
Horseshoe Bend Federal 32-33  
SW NE Sec. 33 - T6S - R22E  
Uintah Count, Utah



Dear John:

Enclosed for your information and files are copies of the approved Notice of Intent and Subsequent Report for the P&A of the above-referenced gas well which was located on federal surface and minerals.

I notified Dennis Ingram by phone prior to plugging the well. Please let me know if there is any other information that you need.

Sincerely,

Marc T. Eckels